Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 07.09.2022 *Numéro de version 25* *Révision: 07.09.2022*

*

RUBRIQUE 1: Identification de la substance/du mélange et de la société/de l'entreprise

· **1.1 Identificateur de produit**

· Nom du produit: **ACETONE**

· Code du produit: 0008
· No CAS: 67-64-1

· Numéro CE: 200-662-2
· Numéro index: 606-001-00-8
· Numéro d'enregistrement 01-2119471330-49-XXXX
Non concerné

· **1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées** Voir annexe 1
· Emploi de la substance / de la préparation Solvants
Fabrication de produits chimiques

· **1.3 Renseignements concernant le fournisseur de la fiche de données de sécurité**
· Producteur/fournisseur:

Société CHARBONNEAUX BRABANT	TEL: 03-26-49-58-70
Société P. BRABANT	TEL: 03-20-41-28-05
Société FLOURENT BRABANT	TEL: 03-20-41-28-05
Société BRABANT CHIMIE	TEL: 02-38-87-81-75
Société HAUGUEL Saint Ouen	TEL: 01-30-37-00-04
Société HAUGUEL Gonfreville	TEL: 02-32-79-55-00

· Service chargé des renseignements:
Service Réglementaire de la société CHARBONNEAUX BRABANT
52 rue de Justice - Z.I. Port Sec
51100 REIMS
Tel: 03 26 49 58 70
E-mail: chimiereglementation@charbonneaux.com

· **1.4 Numéro d'appel d'urgence**
ORFILA téléphone: 01 45 42 59 59
SAMU : 15
POMPIERS: 18
Emergency Number 112
Pour connaître la liste des médecins de garde contactez le 15.

RUBRIQUE 2: Identification des dangers

· **2.1 Classification de la substance ou du mélange**

· Classification selon le règlement (CE) n° 1272/2008

GHS02 flamme

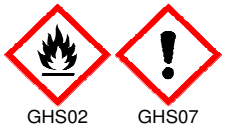
Flam. Liq. 2 H225 Liquide et vapeurs très inflammables.

GHS07

Eye Irrit. 2 H319 Provoque une sévère irritation des yeux.
STOT SE 3 H336 Peut provoquer somnolence ou vertiges.

· **2.2 Éléments d'étiquetage**

· Etiquetage selon le règlement (CE) n° 1272/2008 La substance est classifiée et étiquetée selon le règlement CLP.
· Pictogrammes de danger



GHS02 GHS07

· Mention d'avertissement Danger
· Mentions de danger
H225 Liquide et vapeurs très inflammables.
H319 Provoque une sévère irritation des yeux.
H336 Peut provoquer somnolence ou vertiges.

· Conseils de prudence
Tenir hors de portée des enfants.
En cas de consultation d'un médecin, garder à disposition le récipient ou l'étiquette.
P210 Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'inflammation. Ne pas fumer.
P261 Éviter de respirer les brouillards/vapeurs/aérosols.
P271 Utiliser seulement en plein air ou dans un endroit bien ventilé.

(suite page 2)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 07.09.2022 *Numéro de version 25* *Révision: 07.09.2022*

***Nom du produit:* ACETONE**

(suite de la page 1)

P280	*Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage/une protection auditive.*
P303+P361+P353	*EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Enlever immédiatement tous les vêtements contaminés. Rincer la peau à l'eau [ou se doucher].*
P304+P340	*EN CAS D'INHALATION: transporter la personne à l'extérieur et la maintenir dans une position où elle peut confortablement respirer.*
P305+P351+P338	*EN CAS DE CONTACT AVEC LES YEUX: Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.*
P312	*Appeler un CENTRE ANTIPOISON/un médecin en cas de malaise.*
P403+P235	*Stocker dans un endroit bien ventilé. Tenir au frais.*
P405	*Garder sous clef.*
P501	*Éliminer le contenu/récipient dans un centre de collecte des déchets dangereux conformément à la réglementation locale et nationale.*

· Indications complémentaires: *EUH066 L'exposition répétée peut provoquer dessèchement ou gerçures de la peau.*

· Indications particulières concernant les dangers pour l'homme et l'environnement: *Le produit ne possède pas, ou n'engendre pas en cours d'utilisation, d'autres propriétés dangereuses qui ne feraient pas l'objet d'une classification selon le règlement (CE) n°1272/2008.*

· ***2.3 Autres dangers***

· Résultats des évaluations PBT et vPvB

· PBT: *Le produit ne possède pas de propriétés PBT telles que définies à l'annexe XIII du règlement (CE) n°1907/2006.*
Non applicable.

· vPvB: *Le produit ne possède pas de propriétés vPvB telles que définies à l'annexe XIII du règlement (CE) n°1907/2006.*
Non applicable.

· Détermination des propriétés perturbant le système endocrinien: *Pour les informations relatives aux propriétés perturbant le système endocrinien, se référer à la rubrique 11.*
Le produit ne contient pas de substances avec des propriétés perturbatrices endocriniennes.

*

RUBRIQUE 3: Composition/informations sur les composants

· ***3.1 Substances***

· No CAS Désignation: *67-64-1 Diméthylcétone*

· Code(s) d'identification

· Numéro CE: *200-662-2*

· Numéro index: *606-001-00-8*

· Nanoforme: *Non concerné*

· SVHC: *néant*

RUBRIQUE 4: Premiers secours

· ***4.1 Description des mesures de premiers secours***

· Remarques générales: *Contacter le personnel secouriste et le service Hygiène Sécurité Environnement.*
LA RAPIDITE EST ESSENTIELLE.

· Après inhalation: *En cas d'inconscience, coucher et transporter la personne en position latérale stable.*
Amener les sujets à l'air frais et les garder au calme.

· Après contact avec la peau: *Laver immédiatement à l'eau.*
En cas d'irritation persistante de la peau, consulter un médecin.
Enlever immédiatement les vêtements contaminés par le produit.

· Après contact avec les yeux: *Rincer les yeux, pendant 15 minutes, sous l'eau courante en écartant bien les paupières et consulter un ophtalmologiste*
Vérifier que la victime ne porte pas de verres de contact, les retirer.

· Après ingestion: *Tourner sur le côté une personne couchée sur le dos, qui est en train de vomir.*
Ne pas faire vomir sauf indication contraire du corps médical

· ***4.2 Principaux symptômes et effets, aigus et différés*** *Etourdissement*

· ***4.3 Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires*** *Pas de traitement spécifique requis.*

RUBRIQUE 5: Mesures de lutte contre l'incendie

· ***5.1 Moyens d'extinction***

· Moyens d'extinction: *CO2, poudre d'extinction ou eau pulvérisée. Combattre les foyers importants avec de l'eau pulvérisée ou de la mousse résistant à l'alcool.*
Adapter les mesures d'extinction d'incendie à l'environnement.

· Produits extincteurs déconseillés pour des raisons de sécurité: *Un jet d'eau à grand débit peut propager le feu*

· ***5.2 Dangers particuliers résultant de la substance ou du mélange*** *Monoxyde de carbone (CO)*
Dioxyde de carbone
Des vapeurs peuvent former avec l'air un mélange explosif.

(suite page 3)

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 07.09.2022 *Numéro de version 25* *Révision: 07.09.2022*

***Nom du produit:* ACETONE**

(suite de la page 2)

Les eaux de ruissellement vers les égouts peut provoquer un incendie ou une explosion.

· ***5.3 Conseils aux pompiers***
· Equipement spécial de sécurité: *Porter un appareil de respiration indépendant de l'air ambiant.*
Ne pas inhaler les gaz d'explosion et les gaz d'incendie.
· Autres indications *Refroidir les récipients en danger en pulvérisant de l'eau.*

RUBRIQUE 6: Mesures à prendre en cas de dispersion accidentelle

· ***6.1 Précautions individuelles, équipement de protection et procédures d'urgence*** *Porter un équipement de sécurité. Eloigner les personnes non protégées.*
Eviter le contact avec la peau et les yeux
NE PAS TOUCHER ni marcher dans le produit répandu.

· ***6.2 Précautions pour la protection de l'environnement*** *Eviter de rejeter à l'égout, les fosses et les caves.*
En cas de pénétration dans les eaux ou les égouts, avertir les autorités compétentes.
Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.

· ***6.3 Méthodes et matériel de confinement et de nettoyage:*** *Recueillir les liquides à l'aide d'un produit absorbant (sable, kieselguhr, neutralisant, liant universel, sciure).*
Assurer une aération suffisante.
Utiliser du matériel antidéflagrant
Le nettoyage à grandes eaux de quantité importantes en direction des égouts n'est pas autorisé.

· ***6.4 Référence à d'autres rubriques*** *Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.*
Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.
Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

RUBRIQUE 7: Manipulation et stockage

· ***7.1 Précautions à prendre pour une manipulation sans danger*** *Veiller à une bonne ventilation/aspiration du poste de travail.*
Eviter la formation d'aérosols.
Convoyage pneumatique uniquement avec de l'azote.
Porter les équipements de protection requis avant toute manipulation (voir chapitre 8)
Si possible, utiliser un système de transfert clos.
Reporter l'étiquetage d'origine sur tout récipient utilisé pour un prélèvement.
Prévoir des douches et fontaines oculaires sur les lieux d'utilisation.
· Préventions des incendies et des explosions: *Tenir à l'abri des sources d'inflammation - ne pas fumer.*
Utiliser des appareils et armatures antidéflagrantes ainsi que des outils ne produisant pas d'étincelle.
Des vapeurs peuvent former avec l'air un mélange explosif.
Les équipements appropriés pour faire face aux incendies, les déversements et les fuites doivent être facilement accessibles.
Mise à la terre des équipements

· ***7.2 Conditions d'un stockage sûr, y compris les éventuelles incompatibilités***
· Stockage:
· Exigences concernant les lieux et conteneurs de stockage: *Prévoir des sols étanches et résistant aux solvants.*
Ne conserver que dans l'emballage d'origine.
N'utiliser que des emballages spécialement agréés pour la matière/le produit.
Les réservoirs de stockage doivent avoir une liaision équipotentielle electrique et une mise à la terre.
Selon les exigences particlulières relatives au lieu de stockage, prévoir un système de rétention.
· Indications concernant le stockage commun: *Ne pas stocker avec les aliments.*
Conserver à l'écart des Produits incompatibles.
Ne pas stocker avec des substances oxydantes ou acides.
· Autres indications sur les conditions de stockage: *Stocker au frais et au sec dans des emballages bien fermés.*
Protéger de la forte chaleur et du rayonnement direct du soleil.
· ***7.3 Utilisation(s) finale(s) particulière(s)*** *Pas d'autres informations importantes disponibles.*

RUBRIQUE 8: Contrôles de l'exposition/protection individuelle

· ***8.1 Paramètres de contrôle***

· Composants présentant des valeurs-seuil à surveiller par poste de travail:

CAS: 67-64-1 Diméthylcétone	
VLEP (France)	*Valeur momentanée: 2420 mg/m³, 1000 ppm* *Valeur à long terme: 1210 mg/m³, 500 ppm*
PEL (U.S.A.)	*Valeur à long terme: 2400 mg/m³, 1000 ppm*
REL (U.S.A.)	*Valeur à long terme: 590 mg/m³, 250 ppm*
TLV (U.S.A.)	*Valeur momentanée: 500 ppm* *Valeur à long terme: 250 ppm* *A4, BEI*
AGW (Allemagne)	*Valeur à long terme: 1200 mg/m³, 500 ppm* *2(I);AGS, DFG, EU, Y*

(suite page 4)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 07.09.2022 *Numéro de version 25* *Révision: 07.09.2022*

***Nom du produit:* ACETONE**

(suite de la page 3)

· DNEL

DNEL	*(OTH)* *Utilisation Finale: Travailleurs* *Voies d'exposition: Inhalation* *Effets potentiels sur la santé: Effets aigus, Effets locaux* *Durée exposition: 1h* *Valeur: 2420 mg/m3 - 1000ppm* *Utilisation finale: Travailleurs* *Voies d'exposition: Contact avec la peau* *Effets potentiels sur la santé: Effets chroniques* *Durée d'exposition: 8h* *Valeur: 186 mg/kg* *Utilisation finale: Travailleurs* *Voies d'exposition: Inhalation* *Effets potentiels sur la santé: Effets chroniques* *Valeur 1210 mg/m3 - 500ppm* *Utilisation finale: Consommateurs* *Voies d'exposition: Contact avec la peau* *Effets potentiels sur la santé: Effets chroniques* *Durée exposition: 24h* *Valeur: 62 mg/kg* *Utilisation finale: Consommateurs* *Voies d'exposition: Inhalation* *Effets potentiels sur la santé: Effets chroniques* *Durée exposition: 24h* *Valeur: 200 mg/m3* *Utilisation finale: Consommateurs* *Voies d'exposition: Ingestion* *Effets potentiels sur la santé: Effets chroniques* *Valeur: 62 mg/kg*

· PNEC

PNEC	*(OTH)* *Eau douce: 10.6mg/l* *Eau de mer: 1.06 mg/l* *Sédiment d'eau douce: 30.4 mg/kg* *Sédiment marin: 3.04 mg/kg* *Sol: 29.5 mg/kg*

· Composants présentant des valeurs limites biologiques:

CAS: 67-64-1 Diméthylcétone

BEI (U.S.A.)	*25 mg/L* *Medium: urine* *Time: end of shift* *Parameter: Acetone (nonspecific)*
BGW (Allemagne)	*80 mg/l* *Untersuchungsmaterial: Urin* *Probennahmezeitpunkt: Expositionsende bzw. Schichtende* *Parameter: Aceton*

· Remarques supplémentaires: *Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.*

· ***8.2 Contrôles de l'exposition*** *Les mesures de controle appropriées pour un lieu de travail particulier dépendent de la façon dont le produit est utilisé et du potentiel d'exposition.*
Si les contrôles techniques et les modes opératoires ne sont pas efficaces dans la prévention ou le contrôle de l'exposition, les équipements de protections individuels, qui donnent des résultats satisfaisants, doivent être utilisés.

· Contrôles techniques appropriés *Sans autre indication, voir point 7.*

· Mesures de protection individuelle, telles que les équipements de protection individuelle

· Mesures générales de protection et d'hygiène: *Respecter les mesures de sécurité usuelles pour l'utilisation de produits chimiques.*
Tenir à l'écart des produits alimentaires, des boissons et de la nourriture pour animaux.
Retirer immédiatement les vêtements souillés ou humectés.
Se laver les mains avant les pauses et en fin de travail.
Ne pas inhaler les gaz, les vapeurs et les aérosols.
Eviter tout contact avec les yeux et avec la peau.
Favoriser la mise en place de mesures de protection collectives par rapport aux mesures de protection individuelle.

· Protection respiratoire: *Utiliser un appareil de protection respiratoire si la ventilation est insuffisante.*
En cas de risque d'exposition au delà des valeurs moyennes d'exposition, port obligatoire d'un équipement individuel de protection respiratoire.
Utiliser des appareils conformes à une norme approuvée.

· Filtre recommandé pour une utilisation momentanée: *Attention! Les filtres ont une durée d'utilisation limitée.*
Filtre combiné adéquat par exemple ABEK- P2

· Protection des mains:

Gants de protection

Norme EN 374
Changer regulièrement les gants.
Contrôler la perméabilité avant chaque nouvelle utilisation du gant.
Choix du matériau des gants en fonction des temps de pénétration, du taux de perméabilité et de la dégradation. Il convient de tenir compte du fait que la

(suite page 5)

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 07.09.2022 *Numéro de version 25* *Révision: 07.09.2022*

***Nom du produit:* ACETONE**

(suite de la page 4)

resistance d'un gant est influencée par des facteurs tels que la température d'utilisation du produit, sa concentration, l'épaisseur du gant, le temps d'immersion. Préserver du risque chimique demande de connaître également l'ensemble des autres paramètres propres au poste de travail (risque mécanique, thermique, dextérité requise, manipulation de pièces abrasives).
Se référer aux informations sur les résistances chimiques du fabricant de chaque gant et mener un essai préalable pour déterminer si le gant est adapté aux conditions d'utilisations réelles.

· Matériau des gants
Gants laminés multicouches.
Gants en néoprène
Le choix de gants appropriés ne dépend pas seulement du matériau, mais également d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre.
Épaisseur du matériau recommandée: ≥ 0,5

· Temps de pénétration du matériau des gants
Le temps de pénétration exact est à déterminer par le fabricant des gants de protection et à respecter. Il faut noter que la durabilité des gants de protection chimique peut être notablement plus courte que le temps de pénétration mesuré par la norme EN374 en raison des nombreux effets exterieurs spécifiques à un poste de travail.
Valeur pour la perméabilité: taux ≥ 240min

· Protection des yeux/du visage

Lunettes de protection hermétiques

· Protection du corps:
Vêtements de travail protecteurs

*
RUBRIQUE 9: Propriétés physiques et chimiques

· ***9.1 Informations sur les propriétés physiques et chimiques essentielles***

· Indications générales.	
· Couleur:	*Incolore*
· Odeur:	*Caractéristique*
· Seuil olfactif:	*Information non disponible*
· Point de fusion/point de congélation:	*-94,7 °C*
· Point d'ébullition ou point initial d'ébullition et intervalle d'ébullition	*55,8-56,6 °C*
· Inflammabilité	*Non applicable.*
· Limites inférieure et supérieure d'explosion	
· Inférieure:	*2,5 Vol %*
· Supérieure:	*13 Vol %*
· Point d'éclair:	*-17 °C*
· Température d'auto-inflammation:	*465 °C*
· Température de décomposition:	*Non déterminé.*
· pH	*Non déterminé.*
· Viscosité:	
· Dynamique à 20 °C:	*0,32 mPas*
· Solubilité	
· l'eau:	*Entièrement miscible*
· Coefficient de partage n-octanol/eau (valeur log)	*Voir chapitre 12*
· Pression de vapeur à 20 °C:	*240 hPa*
· Densité et/ou densité relative	
· Densité à 20 °C:	*0,79 g/cm³*
· Aspect:	
· Forme:	*Liquide*
· Indications importantes pour la protection de la santé et de l'environnement ainsi que pour la sécurité.	
· Température d'auto-inflammation	*Non déterminé.*
· Propriétés explosives:	*Le produit n'est pas explosif; toutefois, des mélanges explosifs vapeur-air peuvent se former.*
· Masse moléculaire	*58,08 g/mol*

· Informations concernant les classes de danger physique
· Substances et mélanges explosibles
néant
· Gaz inflammables
néant
· Aérosols
néant
· Gaz comburants
néant
· Gaz sous pression
néant
· Liquides inflammables
Liquide et vapeurs très inflammables.
· Matières solides inflammables
néant

(suite page 6)

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 07.09.2022 *Numéro de version 25* *Révision: 07.09.2022*

***Nom du produit:* ACETONE**

(suite de la page 5)

· Substances et mélanges autoréactifs

néant

· Liquides pyrophoriques

néant

· Matières solides pyrophoriques

néant

· Matières et mélanges auto-échauffants

néant

· Substances et mélanges qui dégagent des gaz inflammables au contact de l'eau

néant

· Liquides comburants

néant

· Matières solides comburantes

néant

· Peroxydes organiques

néant

· Substances ou mélanges corrosifs pour les métaux

néant

· Explosibles désensibilisés

néant

RUBRIQUE 10: Stabilité et réactivité

· ***10.1 Réactivité*** *Pas d'autres informations importantes disponibles.*
· ***10.2 Stabilité chimique***
· Décomposition thermique/conditions à éviter: *Pas de décomposition en cas d'usage conforme.*
· ***10.3 Possibilité de réactions dangereuses*** *Aucune réaction dangereuse connue.*
· ***10.4 Conditions à éviter*** *Chaleur / source de chaleur*
Eviter l'accumulation de charges électrostatiques.
· ***10.5 Matières incompatibles:*** *Les bases fortes*
Peroxydes (H2O2,Na2O2,K2O)
Acides oxydants et sels (HNO3,MnO4K.)
· ***10.6 Produits de décomposition dangereux:*** *Monoxyde de carbone*
La combustion génère des oxydes de carbone

RUBRIQUE 11: Informations toxicologiques

· ***11.1 Informations sur les classes de danger telles que définies dans le règlement (CE) no 1272/2008***

· **Toxicité aiguë:** *Compte tenu des données disponibles, les critères de classification ne sont pas remplis.*

· Valeurs LD/LC50 déterminantes pour la classification:

Oral	*LD50*	*5.800 mg/kg (rat)*
Dermique	*LD50*	*20.000 mg/kg (rbt)*
	NOEC 48h	*3.400 MG/LITRE (5)*

· Par voie orale: *Les données disponibles indiquent que les critères de classification ne sont pas remplis*
· Par voie cutanée: *Les données disponibles indiquent que les critères de classification ne sont pas remplis*
· Par inhalation: *Les données disponibles indiquent que les critères de classification ne sont pas remplis*
· Corrosion cutanée/irritation cutanée *Compte tenu des données disponibles, les critères de classification ne sont pas remplis.*
· Lésions oculaires graves/irritation oculaire *Provoque une sévère irritation des yeux.*

· **Sensibilisation:** *Compte tenu des données disponibles, les critères de classification ne sont pas remplis.*
· Mutagénicité sur les cellules germinales *Compte tenu des données disponibles, les critères de classification ne sont pas remplis.*
· Cancérogénicité *Compte tenu des données disponibles, les critères de classification ne sont pas remplis.*
· Toxicité pour la reproduction *Compte tenu des données disponibles, les critères de classification ne sont pas remplis.*
· Toxicité spécifique pour certains organes cibles (STOT) - exposition unique *Peut provoquer somnolence ou vertiges.*
· Toxicité spécifique pour certains organes cibles (STOT) - exposition répétée *Compte tenu des données disponibles, les critères de classification ne sont pas remplis.*
· **Danger par aspiration** *Compte tenu des données disponibles, les critères de classification ne sont pas remplis.*

(suite page 7)

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 07.09.2022 *Numéro de version 25* *Révision: 07.09.2022*

***Nom du produit:* ACETONE**

(suite de la page 6)

· ***11.2 Informations sur les autres dangers***
· Propriétés perturbant le système endocrinien *la substance n'est pas comprise*

RUBRIQUE 12: Informations écologiques

· ***12.1 Toxicité***

· Toxicité aquatique:	
CE50 (ecologique)	*>100 mg/l (ALGUES) (Pseudokirchneriella subcapitata, Essai en statique) (valeur de la littérature)*
	>100 mg/l (DAPHNIES) (Daphnia magma, Essai en statique) (valeur de la littérature)
LC50 (ecologique)	*>100 mg/l (POISSONS) (Salmo gairdneri, essai en statique) (valeur de la littérature)*

· ***12.2 Persistance et dégradabilité*** *Facilement biodégradable.*
· ***12.3 Potentiel de bioaccumulation*** *Le produit s'évapore rapidement s'il est déversé sur le sol*
· ***12.4 Mobilité dans le sol*** *Pas d'autres informations importantes disponibles.*
· ***12.5 Résultats des évaluations PBT et vPvB***
· PBT: *Le produit ne possède pas de propriétés PBT telles que définies à l'annexe XIII du règlement (CE) n°1907/2006.*
Non applicable.
· vPvB: *Le produit ne possède pas de propriétés vPvB telles que définies à l'annexe XIII du règlement (CE) n°1907/2006.*
Non applicable.
· ***12.6 Propriétés perturbant le système endocrinien*** *Pour les informations relatives aux propriétés perturbant le système endocrinien, se référer à la rubrique 11.*
· ***12.7 Autres effets néfastes***
· Autres indications écologiques:
· Valeur DCO: *1920 MG/G*
· Valeur DBO5: *1850 MG/G*
· Indications générales: *Ne pas laisser pénétrer dans la nappe phréatique, les eaux ou les canalisations.*

RUBRIQUE 13: Considérations relatives à l'élimination

· ***13.1 Méthodes de traitement des déchets***
· Recommandation: *Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts.*
Doit faire l'objet d'un traitement spécial conformément aux prescriptions légales.
Pour la manipulation des déchets, prendre les précautions définies aux chapitres 7 et 8.
Réutilisation ou recyclage lorsque c'est possible, sinon incinération selon les méthodes recommandées d'élimination.
· Code déchet: *Des données concernant l'utilisation par le consommateur sont nécéssaires pour déterminer le code déchet.*

· Emballages non nettoyés:
· Recommandation: *Les emballages ne pouvant pas être nettoyés doivent être évacués de la même manière que le produit.*
Ne pas découper, perforer ou souder sur ou à proximité des emballage vides.
Les emballages vides peuvent contenir des résidus dangereux.
Ne pas retirer l'étiquette de l'emballage tant qu'il n'est pas nettoyé.
Ne pas traiter l'emballage vide comme un déchets ménager.
Ne pas incinérer un emballage fermé.
· Produit de nettoyage recommandé: *Eau, éventuellement avec des produits de nettoyage*

RUBRIQUE 14: Informations relatives au transport

· ***14.1 Numéro ONU ou numéro d'identification***
· ADR, IMDG, IATA *UN1090*

· ***14.2 Désignation officielle de transport de l'ONU***
· ADR *1090 ACÉTONE*
· IMDG, IATA *ACETONE*

· ***14.3 Classe(s) de danger pour le transport***
· ADR

· Classe *3 (F1) Liquides inflammables.*

(suite page 8)

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 07.09.2022 *Numéro de version 25* *Révision: 07.09.2022*

***Nom du produit:* ACETONE**

(suite de la page 7)

· Étiquette	*3*
· IMDG, IATA	
	
· Class	*3 Liquides inflammables.*
· Label	*3*
· ***14.4 Groupe d'emballage***	
· ADR, IMDG, IATA	*II*
· ***14.5 Dangers pour l'environnement***	*Non applicable.*
· ***14.6 Précautions particulières à prendre par l'utilisateur***	*Attention: Liquides inflammables.*
· Numéro d'identification du danger (Indice Kemler):	*33*
· No EMS:	*F-E,S-D*
· ***14.7 Transport maritime en vrac conformément aux instruments de l'OMI***	*Non applicable.*
· Indications complémentaires de transport:	
· ADR	
· Quantités limitées (LQ)	*1L*
· Quantités exceptées (EQ)	*Code: E2* *Quantité maximale nette par emballage intérieur: 30 ml* *Quantité maximale nette par emballage extérieur: 500 ml*
· Catégorie de transport	*2*
· Code de restriction en tunnels	*D/E*
· IMDG	
· Limited quantities (LQ)	*1L*
· Excepted quantities (EQ)	*Code: E2* *Maximum net quantity per inner packaging: 30 ml* *Maximum net quantity per outer packaging: 500 ml*
· "Règlement type" de l'ONU:	*UN 1090 ACÉTONE, 3, II*

*

RUBRIQUE 15: Informations relatives à la réglementation

· ***15.1 Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement***

· TSCA (Loi sur le contrôle des substances toxiques)	
· Proposition 65	
· PROP.65 Chemicals known to cause cancer:	*la substance n'est pas comprise*
· PROP.65 Chemicals known to cause reproductive toxicity for females:	*la substance n'est pas comprise*
· PROP.65 Chemicals known to cause reproductive toxicity for males:	*la substance n'est pas comprise*
· PROP.65 Chemicals known to cause developmental toxicity:	*la substance n'est pas comprise*
· Philippines Inventory of Chemicals and Chemical Substances	*la substance est comprise*
· Chinese Chemical Inventory of Existing Chemical Substances	*la substance est comprise*
· Asutralian Inventory of Chemical Substances	*la substance est comprise*
· Canadian Domestic Substances List (DSL)	*la substance est comprise*
· Korean Existing Chemical Inventory	*la substance est comprise*
· Etiquetage selon le règlement (CE) n° 1272/2008	*voir chapitre 2*
· Directive 2012/18/UE	
· Substances dangereuses désignées - ANNEXE I	*la substance n'est pas comprise*
· Catégorie SEVESO	*P5c LIQUIDES INFLAMMABLES*
· Quantité seuil (tonnes) pour l'application des exigences relatives au seuil bas	*5.000 t*
· Quantité seuil (tonnes) pour l'application des exigences relatives au seuil haut	*50.000 t*
· RÈGLEMENT (UE) 2019/1021 concernant les polluants organiques persistants (POP)	*la substance n'est pas comprise*
· LISTE DES SUBSTANCES SOUMISES À AUTORISATION (ANNEXE XIV)	*la substance n'est pas comprise*
· RÈGLEMENT (CE) N° 1907/2006 ANNEXE XVII	*Conditions de limitation: 3, 40*
· Réglement (CE) N° 649/2012 - PIC	*la substance n'est pas comprise*
· Directive 2011/65/UE - RoHS- relative à la limitation de l'utilisation de certaines substances dangereuses dans	

(suite page 9)

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

(suite de la page 8)

· les équipements électriques et électroniques – Annexe II — *la substance n'est pas comprise*

· RÈGLEMENT (UE) 2019/1148

· Annexe I - PRÉCURSEURS D'EXPLOSIFS FAISANT L'OBJET DE RESTRICTIONS (Valeur limite maximale aux fins de l'octroi d'une licence en vertu de l'article 5, paragraphe 3) — *la substance n'est pas comprise*

· Annexe II - PRÉCURSEURS D'EXPLOSIFS DEVANT FAIRE L'OBJET D'UN SIGNALEMENT — *la substance est comprise*

· Règlement (CE) n° 273/2004 relatif aux précurseurs de drogues — *la substance n'est pas comprise*

· Règlement (CE) n° 111/2005 fixant des règles pour la surveillance du commerce des précurseurs des drogues entre la Communauté et les pays tiers — *la substance n'est pas comprise*

· RÉGLEMENT (CE) N° 1005/2009 relatif à des substances qui appauvrissent la couche d'ozone – ANNEXE I (Potentiel d'appauvrissement de la couche d'ozone)

· Indications sur les restrictions de travail: *Rubriques nomenclature ICPE (France): 4330, 4331*
Respecter les réglementations nationales applicables (ICPE, Code du travail, Maladies professionnelles)

· * Nanomatériaux: *Le produit ne contient pas de nanomatériaux*

· Substances extrêmement préoccupantes (SVHC) selon REACH, article 57 — *la substance n'est pas comprise*

· VOC (CE) *100%*

· VOCV (CH) *100%*

· ***15.2 Évaluation de la sécurité chimique:*** *Une évaluation de la sécurité chimique a été réalisée.*

RUBRIQUE 16: Autres informations

Ces informations ne dispensent pas l'utilisateur de contrôler le produit et n'engagent en aucun cas notre responsabilité quant à l'utilisation pour laquelle il le destine.
Ces indications sont fondées sur l'état actuel de nos connaissances, mais ne constituent pas une garantie quant aux propriétés du produit et ne donnent pas lieu à un rapport juridique contractuel.

· Domaines d'application selon la directive 98/8/CE - Règlement CE 528/2012. *Non concerné*

· Service établissant la fiche technique: -
voir Rubrique 1

· Contact: -
Voir Rubrique 1

· Date de la version précédente: *14.09.2021*

· Acronymes et abréviations:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer
ICAO: International Civil Aviation Organisation
ADR: Accord relatif au transport international des marchandises dangereuses par route
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Liquides inflammables – Catégorie 2
Eye Irrit. 2: Lésions oculaires graves/irritation oculaire – Catégorie 2
STOT SE 3: Toxicité spécifique pour certains organes cibles (exposition unique) – Catégorie 3

· * Données modifiées par rapport à la version précédente

(suite page 10)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

(suite de la page 9)

Annexe: Scénario d'exposition

· ***Désignation brève du scénario d'exposition*** *Voir annexe 1.*

Acetone - Industrial

2010-08-23

Identified Industrial Generic Exposure Scenarios (GESs) of Acetone

GES No. EC No. CAS No.	Subsector	Main SU	Description	PROC	ERC	Acetone 200-662-2 67-64-1
1	Manufacture, Processing and Distribution of substances and mixtures	All Industrial Uses (SU3)	Manufacture, Processing (see examples below1), Formulation and Distribution of the substance or mixtures. Includes recycling/ recovery, material transfers, storage, maintenance and loading (including marine vessel/barge, road/rail car and bulk container), sampling and associated laboratory activities	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC14, PROC15	ERC1, ERC2, ERC4, ERC6a ERCs are to be checked with the ECT tool	x
2	Use in laboratories	All Industrial Uses (SU3)	Use of the substance within laboratory settings, including material transfers and equipment cleaning	PROC10, PROC15	ERC4 ERCs are to be checked with the ECT tool	x + PROC19
3	Uses in Coatings	All Industrial Uses (SU3)	Covers the use in coatings (paints, inks, adhesives, and production of textiles, etc) including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, spreader, dip, flow, fluidised bed on production lines and film formation) and equipment cleaning, maintenance and associated laboratory activities.	PROC5, PROC8a, PROC10, PROC13	ERC4 ERCs are to be checked with the ECT tool	x + PROC1, PROC2, PROC3, PROC4, PROC7, PROC8b, PROC9, PROC15, PROC19
4	Use as binders and release agents	All Industrial Uses (SU3)	Covers the use as binders and release agents including material transfers, mixing, application (including spraying and brushing), mould forming and casting, and handling of waste.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13	ERC5 ERCs are to be checked with the ECT tool	x
5	Rubber production and processing	All Industrial Uses (SU3)	Manufacture of tyres and general rubber articles, including processing of raw (uncured) rubber, handling and mixing of rubber additives, vulcanising, cooling and finishing.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14	ERC6d ERCs are to be checked with the ECT tool	x

Acetone - Industrial

2010-08-23

GES No. EC No. CAS No.	Subsector	Main SU	Description	PROC	ERC	Acetone 200-662-2 67-64-1
6	Polymer manufacturing	All Industrial Uses (SU3)	Manufacturing of formulated polymers including material transfers, additives handling (e.g. pigments, stabilisers, fillers, plasticisers, etc.), moulding, curing and forming activities, material re-works, storage and associated maintenance.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15	ERC6d ERCs are to be checked with the ECT tool	x
7	Polymer processing	All Industrial Uses (SU3)	Processing of formulated polymers including material transfers, additives handling (e.g. pigments, stabilisers, fillers, plasticisers, etc.), moulding, curing and forming activities, material re-works, storage and associated maintenance.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC14, PROC15	ERC6d ERCs are to be checked with the ECT tool	x
9	Use in Cleaning Agents	All Industrial Uses (SU3)	Covers the use as a component of cleaning products including transfer from storage, pouring/unloading from drums or containers. Exposures during mixing/diluting in the preparatory phase and cleaning activities (including spraying, brushing, dipping, wiping, automated and by hand), related equipment cleaning and maintenance.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC13, PROC19	ERC4 ERCs are to be checked with the ECT tool	x
10	Use in Oil field drilling and production operations	All Industrial Uses (SU3)	Covers the use as a component of cleaning products including transfer from storage, pouring/unloading from drums or containers.	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b	ERC 4 ERCs are to be checked with the ECT tool	x
11	Blowing agents	All Industrial Uses (SU3)	Use as a blowing agent for rigid and flexible foams, including material transfers, mixing and injection, curing, cutting, storage and packing	PROC1, PROC2, PROC3, PROC8b, PROC9, PROC12	ERC4, (ERC10a) ERCs are to be checked with the ECT tool	x
12	Mining chemicals	All Industrial Uses (SU3)	Covers the use of the substance in extraction processes at mining operations, including material transfers, winning and separation activities, and substance recovery and disposal.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8b, PROC9	ERC8d ERCs are to be checked with the ECT tool	x

[1] Examples for processing: use as intermediate,
use as monomer etc.
use as solvent,
use for the manufacturing of resins

[2] Polymer Examples: FRP, UV, VE

Please note also: PC's and AC's are only for comsumer.
For checking ERC's please use the respective environmental calculation tool (ECT) ECT Acetone or ECT Phenol or ECT Cumene or ECT AMS or ECT ACP

Acetone - Industrial

2010-08-23

Identified Industrial PROCs

PROC No.	Acetone
EC No.	200-662-2
CAS No.	67-64-1
PROC1	x
PROC2	x
PROC3	x
PROC4	x
PROC5	x
PROC6	x
PROC7	x
PROC8a	x
PROC8b	x
PROC9	x
PROC10 (2 uses)	x
PROC12	x
PROC13	x
PROC14	x
PROC15	x
PROC19	x
Sum	16

Generic Exposure Scenario:

Substance specific information		Reference Values		
Substance		DNEL worker - inhalation (long term)	500	ppm
CASnr	67-64-1	DNEL worker - inhalation (short term)		ppm
Substance volatility:	233 hPA	DNEL worker - dermal (long term)	186	mg/kg/day
TRA volatility range	high			
physical property	liquid			

Section 1	**Exposure Scenario Title**
Exposure Scenario	**Main sector of Use: SU3 = All Industrial Uses**
Processes, tasks, activities covered	All Industrial Processes relevant for Acetone and Acetone containing products.
Life Cycle Stage / Sector of Use	SU3 = All Industrial Uses
Applicable Use Descriptors (PROC or PC)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC12, PROC13, PROC14, PROC15, PROC19
Applicable Use Descriptors	ERCs and local conditions are to be checked with the Excel tool ECT Acetone
Default Operational Conditions	
Product characteristics	
Acute Hazard	R phrases: 11-Highly flammable, 36-Irritating to eyes, 66-Repeated exposure may cause skin dryness or cracking, 67-Vapours may cause drowsiness and dizziness
General measures	**Locate bulk storage outdoors [E2]** **Use suitable eye protection [PPE26]** **If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes [PPE20]** **Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. [E1]**
concentration of substance in product	Covers percentage substance in the product up to 100 % (unless stated differently) [G13].
physical form of product	Liquid, vapour pressure > 10 kPa [OC5].
frequency and duration of use	Covers daily exposures up to 8 hours (unless stated differently) [G2]
other Operational Conditions of use	Assumes a good basic standard of occupational hygiene is implemented [G1]. ;

Section 2	**Operational conditions and risk management measures**
Section 2.1	**Control of environmental exposure**
Product characteristics	substance is a unique structure, ketone, readily biodegradable
Amounts used	Annual site tonnage (tonnes/year): please use the Excel-Tool 'ECT Acetone' to calculate your maxium tonnage/year
Frequency and duration of use	Emission Days (days/year): 360d/y
Other Operational Conditions of use affecting environmental exposure	Indoor/Outdoor use
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	Common practices vary across sites thus conservative process release estimates used.Typical technical measures are closed systems or scrubbers or charcoal adsorbers.Typical onsite offgas treatment technology provides removal efficiency of 90 %
Organisation measures to prevent/limit release from site	Common practices vary across sites thus conservative process release estimates used. Please use the Excel-Tool 'ECT Acetone' to check your local conditions.
Conditions and measures related to municipal sewage treatment plant	Please use the Excel-Tool 'ECT Acetone' to check your local conditions.
Conditions and measures related to external treatment of waste for disposal	External treatment and disposal of waste should comply with applicable regulations
Conditions and measures related to external recovery of waste	External treatment and disposal of waste should comply with applicable regulations
Other environmental control measures additional to above	none
Section 2.2	**Control of worker exposure**
	see chapter RMMs
Section 3	**Exposure Estimation**
3.1. Health	GES Worker Chemical Safety Assessment (CSA) Template
	http://cefic.org/templates/shwPublications.asp?HID=750
3.2. Environment	*ECT Acetone*
	http://www.reachcentrum.eu/EN/consortium-management/consortia-under-reach/phenol-derivatives-reach-consortium.aspx
Section 4	**Guidance to check compliance with the Exposure Scenario**
4.1. Health	*Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures.*
4.2. Environment	*Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures.*

Generic Exposure Scenario:			Industrial Processes relevant for Acetone and Acetone containing products			Risk Management Measures (RMMs)
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		adviced under REACh
1	PROC 1 - Use in closed process, no likelihood of exposure	Industrial - SU3	General exposures (closed systems) [CS15].	(closed systems) [CS107].; Process sampling [CS2]. ;		Sample via a closed loop or other system to avoid exposure [E8].; Handle substance within a closed system [E47].
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Industrial - SU3	General exposures (closed systems) [CS15].	Continuous process [CS54]. ; Process sampling [CS2].		Sample via a closed loop or other system to avoid exposure [E8].; Handle substance within a closed system [E47].
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Industrial - SU3	General exposures (closed systems) [CS15].	Batch process [CS55]. Process sampling [CS2].		Sample via a closed loop or other system to avoid exposure [E8].; Handle substance within a closed system [E47].
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	Industrial - SU3	Process sampling [CS2]. ; (open systems) [CS108]			
5	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Industrial - SU3	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		
6	PROC 6 -Calendering operations	Industrial - SU3	Calendering (including Banburys) [CS64]			
7	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].	with local exhaust ventilation [CS109]		Ensure material transfers are under containment or extract ventilation [E66].
8	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].			Ensure operation is undertaken outdoors [E69].
9	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].			Wear a respirator conforming to EN140 with Type A filter or better. [PPE22]
10	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		
11	PROC 8b -Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].		

Generic Exposure Scenario:			Industrial Processes relevant for Acetone and Acetone containing products			Risk Management Measures (RMMs)
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		adviced under REACh
12	PROC 9 -Transfer of chemicals into small containers (dedicated filling line)	Industrial - SU3	Small package filling [CS7].	Dedicated facility [CS81]; Pouring from small containers [CS9].		
13	PROC 10 - Roller application or brushing	Industrial - SU3	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		
14	PROC 10 - Roller application or brushing	Industrial - SU3	Equipment cleaning and maintenance [CS39].			
15	PROC 12 - Use of blow agents for foam production	Industrial - SU3	Foaming [CS132].	Production of foam-based objects [CS125].		
16	PROC 13 -Treatment of articles by dipping and pouring	Industrial - SU3	Dipping, immersion and pouring [CS4].			
17	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Industrial - SU3	Production or preparation or articles by tabletting, compression, extrusion or pelletisation [CS100]			
18	PROC 15 - Use of laboratory reagents in small scale laboratories	Industrial - SU3	Laboratory activities [CS36].			
19	PROC 19 - Hand-mixing with intimate contact (only PPE available)	Industrial - SU3	Hand application - fingerpaints, pastels, adhesives [CS72]			Wear suitable gloves tested to EN374 [PPE15].

Generic Exposure Scenario:			Industrial Processes relevant for Acetone and Acetone containing products			Inhalation Exposure								
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		TRA Predicted Exposure - (ppm) - no modifiers	TRA LEV efficiency (%)	Dilution ventilation effectiveness (%)	TRA concentration factor	TRA duration factor	TRA RPE factor	Extra exposure modifier [optional]	Free text - comment to clarify additional modifier (inhalation)	Predicted Exposure - (ppm) - modified
1	PROC 1 - Use in closed process, no likelihood of exposure	Industrial - SU3	General exposures (closed systems) [CS15].	(closed systems) [CS107].; Process sampling [CS2]. ;		0.01								0.01
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Industrial - SU3	General exposures (closed systems) [CS15].	Continuous process [CS54].; Process sampling [CS2].		50.00								50
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Industrial - SU3	General exposures (closed systems) [CS15].	Batch process [CS55]. Process sampling [CS2].		100.00								100
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	Industrial - SU3	Process sampling [CS2]. ; (open systems) [CS108]			100.00								100
5	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Industrial - SU3	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		250.00								250
6	PROC 6 -Calendering operations	Industrial - SU3	Calendering (including Banburys) [CS64]			250.00								250
7	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].	with local exhaust ventilation [CS109]		500.00	95.00							25
8	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].			500.00		30.00						350
9	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].			500.00					half mask			50
10	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		250.00								250
11	PROC 8b -Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].		150.00								150
12	PROC 9 -Transfer of chemicals into small containers (dedicated filling line)	Industrial - SU3	Small package filling [CS7].	Dedicated facility [CS81]; Pouring from small containers [CS9].		200.00								200
13	PROC 10 - Roller application or brushing	Industrial - SU3	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		250.00								250

Generic Exposure Scenario:			Industrial Processes relevant for Acetone and Acetone containing products			Inhalation Exposure								
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		TRA Predicted Exposure - (ppm) - no modifiers	TRA LEV efficiency (%)	Dilution ventilation effectiveness (%)	TRA concentration factor	TRA duration factor	TRA RPE factor	Extra exposure modifier [optional]	Free text - comment to clarify additional modifier (inhalation)	Predicted Exposure - (ppm) - modified
14	PROC 10 - Roller application or brushing	Industrial - SU3	Equipment cleaning and maintenance [CS39].			250.00								250
15	PROC 12 - Use of blow agents for foam production	Industrial - SU3	Foaming [CS132].	Production of foam-based objects [CS125].		100.00								100
16	PROC 13 -Treatment of articles by dipping and pouring	Industrial - SU3	Dipping, immersion and pouring [CS4].			250.00								250
17	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Industrial - SU3	Production or preparation of articles by tabletting, compression, extrusion or pelletisation [CS100]			50.00								50
18	PROC 15 - Use of laboratory reagents in small scale laboratories	Industrial - SU3	Laboratory activities [CS36].			50.00								50
19	PROC 19 - Hand-mixing with intimate contact (only PPE available)	Industrial - SU3	Hand application - fingerpaints, pastels, adhesives [CS72]			250.00								250

Generic Exposure Scenario:			Industrial Processes relevant for Acetone and Acetone containing products		Dermal Exposure						
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs	TRA Predicted Dermal exposure (mg/kg/d) - no modifiers	TRA Dermal exposure LEV reduction factor	TRA concentration factor	PPE factor	extra exposure modifier: [optional]	Free text - comment to clarify additional modifier (dermal)	Predicted Dermal Exposure (mg/kg/d) - modified
1	PROC 1 - Use in closed process, no likelihood of exposure	Industrial - SU3	General exposures (closed systems) [CS15].	(closed systems) [CS107].; Process sampling [CS2]. ;	0.34						0.34
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Industrial - SU3	General exposures (closed systems) [CS15].	Continuous process [CS54]. ; Process sampling [CS2].	1.37						1.37
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Industrial - SU3	General exposures (closed systems) [CS15].	Batch process [CS55]. Process sampling [CS2].	0.34						0.34
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure	Industrial - SU3	Process sampling [CS2]. ; (open systems) [CS108]		6.86						6.86
5	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Industrial - SU3	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].	13.71						13.71
6	PROC 6 -Calendering operations	Industrial - SU3	Calendering (including Banburys) [CS64]		27.43						27.43
7	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].	with local exhaust ventilation [CS109]	42.86	0.05					2.14
8	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].		42.86						42.86
9	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].		42.86						42.86
10	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].	13.71						13.71
11	PROC 8b -Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].	6.86						6.86
12	PROC 9 -Transfer of chemicals into small containers (dedicated filling line)	Industrial - SU3	Small package filling [CS7].	Dedicated facility [CS81]; Pouring from small containers [CS9].	6.86						6.86

Generic Exposure Scenario:			Industrial Processes relevant for Acetone and Acetone containing products			Dermal Exposure						
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		TRA Predicted Dermal exposure (mg/kg/d) - no modifiers	TRA Dermal exposure LEV reduction factor	TRA concentration factor	PPE factor	extra exposure modifier: [optional]	Free text - comment to clarify additional modifier (dermal)	Predicted Dermal Exposure (mg/kg/d) - modified
13	PROC 10 - Roller application or brushing	Industrial - SU3	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		27.43						27.43
14	PROC 10 - Roller application or brushing	Industrial - SU3	Equipment cleaning and maintenance [CS39].			27.43						27.43
15	PROC 12 - Use of blow agents for foam production	Industrial - SU3	Foaming [CS132].	Production of foam-based objects [CS125].		0.34						0.34
16	PROC 13 -Treatment of articles by dipping and pouring	Industrial - SU3	Dipping, immersion and pouring [CS4].			13.71						13.71
17	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Industrial - SU3	Production or preparation or articles by tabletting, compression, extrusion or pelletisation [CS100]			0.34						0.34
18	PROC 15 - Use of laboratory reagents in small scale laboratories	Industrial - SU3	Laboratory activities [CS36].			0.34						0.34
19	PROC 19 - Hand-mixing with intimate contact (only PPE available)	Industrial - SU3	Hand application - fingerpaints, pastels, adhesives [CS72]			141.43			gloves			28.29

Generic Exposure Scenario:			Industrial Processes relevant for Acetone and Acetone containing products			Risk Characterization		
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		RCR (inhalation)	RCR (dermal)	RCR (all routes)
1	PROC 1 - Use in closed process, no likelihood of exposure	Industrial - SU3	General exposures (closed systems) [CS15].	(closed systems) [CS107].; Process sampling [CS2]. ;		0.00002	0.002	0.002
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Industrial - SU3	General exposures (closed systems) [CS15].	Continuous process [CS54]. ; Process sampling [CS2].		0.10	0.01	0.11
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Industrial - SU3	General exposures (closed systems) [CS15].	Batch process [CS55]. Process sampling [CS2].		0.20	0.002	0.20
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	Industrial - SU3	Process sampling [CS2]. ; (open systems) [CS108]			0.20	0.04	0.24
5	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Industrial - SU3	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		0.50	0.07	0.57
6	PROC 6 -Calendering operations	Industrial - SU3	Calendering (including Banburys) [CS64]			0.50	0.15	0.65
7	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].	with local exhaust ventilation [CS109]		0.05	0.01	0.06
8	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].			0.70	0.23	0.93
9	PROC 7 -Industrial spraying	Industrial - SU3	Spraying/fogging by machine application [CS25].			0.10	0.23	0.33
10	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		0.50	0.07	0.57
11	PROC 8b -Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Industrial - SU3	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].		0.30	0.037	0.34

Generic Exposure Scenario:			Industrial Processes relevant for Acetone and Acetone containing products			Risk Characterization		
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		RCR (inhalation)	RCR (dermal)	RCR (all routes)
12	PROC 9 -Transfer of chemicals into small containers (dedicated filling line)	Industrial - SU3	Small package filling [CS7].	Dedicated facility [CS81]; Pouring from small containers [CS9].		0.40	0.04	0.44
13	PROC 10 - Roller application or brushing	Industrial - SU3	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		0.50	0.15	0.65
14	PROC 10 - Roller application or brushing	Industrial - SU3	Equipment cleaning and maintenance [CS39].			0.50	0.15	0.65
15	PROC 12 - Use of blow agents for foam production	Industrial - SU3	Foaming [CS132].	Production of foam-based objects [CS125].		0.20	0.00	0.20
16	PROC 13 -Treatment of articles by dipping and pouring	Industrial - SU3	Dipping, immersion and pouring [CS4].			0.50	0.074	0.57
17	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Industrial - SU3	Production or preparation or articles by tabletting, compression, extrusion or pelletisation [CS100]			0.10	0.00	0.10
18	PROC 15 - Use of laboratory reagents in small scale laboratories	Industrial - SU3	Laboratory activities [CS36].			0.10	0.00	0.10
19	PROC 19 - Hand-mixing with intimate contact (only PPE available)	Industrial - SU3	Hand application - fingerpaints, pastels, adhesives [CS72]			0.50	0.15	0.65

Acetone - Professional

2010-08-23

Identified Professional Generic Exposure Scenarios (GESs) of Acetone

GES No. EC No. CAS No.	Subsector	Main SU	Description	PROC	ERC	Acetone 200-662-2 67-64-1
1	Use in laboratories	All Professional Uses (SU22)	Use of small quantities within laboratory settings, including material transfers and equipment cleaning	PROC10, PROC15	ERC8a ERCs are to be checked with the ECT tool	x + PROC19
2	Uses in Coatings	All Professional Uses (SU22)	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including materials receipt, storage, preparation and transfer from bulk and semi-bulk, application by spray, roller, brush, spreader by hand or similar methods), and equipment cleaning, maintenance and associated laboratory activities.	PROC5, PROC8a, PROC10, PROC13	ERC8a, ERC8c, ERC8d, ERC8f ERCs are to be checked with the ECT tool	x + PROC1, PROC2, PROC3, PROC4, PROC8b, PROC9, PROC11, PROC15, PROC19
3	Use as binders and release agents	All Professional Uses (SU22)	Covers the use as binders and release agents including material transfers, mixing, application by spraying, brushing, and handling of waste.	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC 8a, PROC8b, PROC9, PROC10, PROC11	ERC8a, ERC8b, ERC8c, ERC8d, ERC8e, ERC8f ERCs are to be checked with the ECT tool	x
4	Polymer manufacturing	All Professional Uses (SU22)	Manufacturing of formulated polymers including material transfers, moulding and forming activities, material re-works and associated maintenance.	PROC8a	ERC8a, ERC8d, ERC8c, ERC8f ERCs are to be checked with the ECT tool	x + PROC1 PROC2 PROC8b PROC9 PROC14
5	Polymer processing	All Professional Uses (SU22)	Processing of formulated polymers including material transfers, moulding and forming activities, material re-works and associated maintenance.	PROC8a	ERC8a, ERC8d, ERC8c, ERC8f ERCs are to be checked with the ECT tool	x + PROC1 PROC2 PROC8b PROC9 PROC14
7	Use in Cleaning Agents	All Professional Uses (SU22)	Covers the use as a component of cleaning products including pouring/unloading from drums or containers; and exposures during mixing/diluting in the preparatory phase and cleaning activities (including spraying, brushing, dipping, wiping automated and by hand).	PROC1, PROC2, PROC3, PROC4, PROC5, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC19	ERC8a ERCs are to be checked with the ECT tool	x + ERC8d

Acetone - Professional

2010-08-23

GES No. EC No. CAS No.	Subsector	Main SU	Description	PROC	ERC	Acetone 200-662-2 67-64-1
8	Use in Oil field drilling and production operations	All Professional Uses (SU22)	Covers the use as a component of cleaning products including pouring/unloading from drums or containers	PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b	ERC8d ERCs are to be checked with the ECT tool	x
9	Agrochemical uses	All Professional Uses (SU22)	Use as an agrochemical excipient for application by manual or machine spraying, smokes and fogging; including equipment clean-downs and disposal.	PROC1, PROC2, PROC4, PROC8a, PROC8b, PROC11, PROC13, PROC19	ERC8a, ERC8d ERCs are to be checked with the ECT tool	x
10	De-icing and anti-icing applications	All Professional Uses (SU22)	Ice prevention and de-icing of vehicles, aircraft and other equipment by spraying	PROC1, PROC2, PROC8b, PROC11, PROC19	ERC8d ERCs are to be checked with the ECT tool	x
11	Explosives manufacture & use	All Professional Uses (SU22)	Covers exposures arising from the manufacture and use of slurry explosives (including materials transfer, mixing and charging) and equipment cleaning	PROC1, PROC3, PROC5, PROC8a, PROC8b	ERC8d ERCs are to be checked with the ECT tool	x

[2] Polymer Examples: FRP, UV, VE

Please note also: PC's and AC's are only for comsumer.
For checking ERC's please use the respective environmental calculation tool (ECT) ECT Acetone or ECT Phenol or ECT Cumene or ECT AMS or ECT ACP

Acetone - Professional

2010-08-23

Identified Professional PROCs

PROC No.	Acetone
EC No.	200-662-2
CAS No.	67-64-1
PROC1	x
PROC2	x
PROC3	x
PROC4	x
PROC5	x
PROC6	x
PROC8a	x
PROC8b	x
PROC9	x
PROC10 (2 uses)	x
PROC11	x
PROC13	x
PROC14	x
PROC15	x
PROC19	x
Sum	15

Generic Exposure Scenario:

Substance specific information		Reference Values		
Substance		DNEL worker - inhalation (long term)	500	ppm
CASnr	67-64-1	DNEL worker - inhalation (short term)		ppm
Substance volatility:	233 hPA	DNEL worker - dermal (long term)	186	mg/kg/day
TRA volatility range	high			
physical property	liquid			

Section 1	Exposure Scenario Title
Exposure Scenario	Main sector of Use: SU22 = All Professional Uses
Processes, tasks, activities covered	All Professional Processes relevant for Acetone and Acetone containing products.
Life Cycle Stage / Sector of Use	SU22 = All Professional Uses
Applicable Use Descriptors (PROC or PC)	PROC1, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC15, PROC19
Applicable Use Descriptors (ERC or SpERC)	ERCs and local conditions are to be checked with the Excel tool ECT Acetone
Default Operational Conditions	
Product characteristics	
Acute Hazard	R phrases: 11-Highly flammable, 36-Irritating to eyes, 66-Repeated exposure may cause skin dryness or cracking, 67-Vapours may cause drowsiness and dizziness
General measures	**Locate bulk storage outdoors [E2]** **Use suitable eye protection [PPE26]** **If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374 and provide employee skin care programmes [PPE20]** **Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. [E1]**
concentration of substance in product	Covers percentage substance in the product up to 100 % (unless stated differently) [G13].
physical form of product	Liquid, vapour pressure > 10 kPa [OC5].
frequency and duration of use	Covers daily exposures up to 8 hours (unless stated differently) [G2]
other Operational Conditions of use	Assumes a good basic standard of occupational hygiene is implemented [G1]. ;

Section 2	**Operational conditions and risk management measures**
Section 2.1	**Control of environmental exposure**
Product characteristics	substance is a unique structure, ketone, readily biodegradable
Amounts used	Annual site tonnage (tonnes/year): please use the Excel-Tool 'ECT Acetone' to calculate your maxium tonnage/year
Frequency and duration of use	Emission Days (days/year): 360d/y
Other Operational Conditions of use affecting environmental exposure	Indoor/Outdoor use
Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil	Common practices vary across sites thus conservative process release estimates used.Typical technical measures are closed systems or scrubbers or charcoal adsorbers.Typical onsite offgas treatment technology provides removal efficiency of 90 %
Organisation measures to prevent/limit release from site	Common practices vary across sites thus conservative process release estimates used. Please use the Excel-Tool 'ECT Acetone' to check your local conditions.
Conditions and measures related to municipal sewage treatment plant	Please use the Excel-Tool 'ECT Acetone' to check your local conditions.
Conditions and measures related to external treatment of waste for disposal	External treatment and disposal of waste should comply with applicable regulations
Conditions and measures related to external recovery of waste	External treatment and disposal of waste should comply with applicable regulations
Other environmental control measures additional to above	none
Section 2.2	**Control of worker exposure**
	see chapter RMMs
Section 3	**Exposure Estimation**
3.1. Health	GES Worker Chemical Safety Assessment (CSA) Template
	http://cefic.org/templates/shwPublications.asp?HID=750
3.2. Environment	*ECT Acetone*
	http://www.reachcentrum.eu/EN/consortium-management/consortia-under-reach/phenol-derivatives-reach-consortium.aspx
Section 4	**Guidance to check compliance with the Exposure Scenario**
4.1. Health	*Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures.*
4.2. Environment	*Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures.*

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Risk Management Measures (RMMs)
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		adviced under REACh
1	PROC 1 - Use in closed process, no likelihood of exposure	Professional - SU22	General exposures (closed systems) [CS15].	(closed systems) [CS107].; Process sampling [CS2]. ;		Sample via a closed loop or other system to avoid exposure [E8].; Handle substance within a closed system [E47].
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Professional - SU22	General exposures (closed systems) [CS15].	Continuous process [CS54]. ; Process sampling [CS2].		Sample via a closed loop or other system to avoid exposure [E8].; Handle substance within a closed system [E47].
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Professional - SU22	General exposures (closed systems) [CS15].	Batch process [CS55]. Process sampling [CS2].		Sample via a closed loop or other system to avoid exposure [E8].; Handle substance within a closed system [E47].
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	Professional - SU22	Process sampling [CS2]. ; (open systems) [CS108]			
5	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. ; Process sampling [CS2]. ; with local exhaust ventilation [CS109]		Ensure material transfers are under containment or extract ventilation [E66].
6	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		Ensure operation is undertaken outdoors [E69].
7	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		Avoid carrying out activities involving exposure for more than 4 hours [28].
8	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]; with local exhaust ventilation [CS109]			Ensure operation is undertaken outdoors [E69].
9	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]			Ensure operation is undertaken outdoors [E69].
10	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]			Avoid carrying out activities involving exposure for more than 4 hours [28].
11	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22]. ; with local exhaust ventilation [CS109]		Ensure material transfers are under containment or extract ventilation [E66].

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Risk Management Measures (RMMs)
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		adviced under REACh
12	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		Ensure operation is undertaken outdoors [E69].
13	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		Avoid carrying out activities involving exposure for more than 4 hours [28].
14	PROC 8b -Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].		
15	PROC 9 -Transfer of chemicals into small containers (dedicated filling line)	Professional - SU22	Small package filling [CS7].	Dedicated facility [CS81]; Pouring from small containers [CS9].		
16	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39]. ; with local exhaust ventilation [CS109]		Ensure material transfers are under containment or extract ventilation [E66].
17	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		Limit the substance content in the product to 25% [OC18].
18	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		Avoid carrying out activities involving exposure for more than 4 hours [28].
19	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].	with local exhaust ventilation [CS109]		Ensure material transfers are under containment or extract ventilation [E66].
20	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			Limit the substance content in the product to 25% [OC18]. Ensure operation is undertaken outdoors [E69]. Avoid carrying out activities involving exposure for more than 4 hours [28].
21	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			Avoid carrying out activities involving exposure for more than 1 hour [27].
22	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			Wear a respirator conforming to EN140 with Type A filter or better. [PPE22]

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Risk Management Measures (RMMs)
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		adviced under REACh
23	PROC 13 -Treatment of articles by dipping and pouring	Professional - SU22	Dipping, immersion and pouring [CS4].			
24	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation or articles by tabletting, compression, extrusion or pelletisation [CS100]	with local exhaust ventilation [CS109]		Ensure material transfers are under containment or extract ventilation [E66].
25	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation or articles by tabletting, compression, extrusion or pelletisation [CS100]			Avoid carrying out activities involving exposure for more than 4 hours [28].
26	PROC 15 - Use of laboratory reagents in small scale laboratories	Professional - SU22	Laboratory activities [CS36].			
27	PROC 19 - Hand-mixing with intimate contact (only PPE available	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [CS72]			Limit the substance content in the product to 25% [OC18].Wear suitable gloves tested to EN374 [PPE15].
28	PROC 19 - Hand-mixing with intimate contact (only PPE available	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [CS72]			Avoid carrying out activities involving exposure for more than 1 hour [27].

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Inhalation Exposure								
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		TRA Predicted Exposure - (ppm) - no modifiers	TRA LEV efficiency (%)	Dilution ventilation effectiveness (%)	TRA concentration factor	TRA duration factor	TRA RPE factor	Extra exposure modifier [optional]	Free text - comment to clarify additional modifier (inhalation)	Predicted Exposure - (ppm) - modified
1	PROC 1 - Use in closed process, no likelihood of exposure	Professional - SU22	General exposures (closed systems) [CS15].	(closed systems) [CS107] ; Process sampling [CS2]. ;		0.01								0.01
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Professional - SU22	General exposures (closed systems) [CS15].	Continuous process [CS54]. ; Process sampling [CS2].		50.00								50
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Professional - SU22	General exposures (closed systems) [CS15].	Batch process [CS55]. Process sampling [CS2].		100.00								100
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	Professional - SU22	Process sampling [CS2]. ; (open systems) [CS108]			250.00								250
5	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. ; Process sampling [CS2]. ; with local exhaust ventilation [CS109]		500.00	80.00							100
6	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		500.00		30.00						350
7	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		500.00				1-4 hours				300
8	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]; with local exhaust ventilation [CS109]			600.00	80.00							420
9	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]			600.00		30.00						420
10	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]			600.00				1-4 hours				360
11	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22]. ; with local exhaust ventilation [CS109		500.00	80.00							100
12	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		500.00		30.00						350
13	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		500.00				1-4 hours				300

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Inhalation Exposure								
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		TRA Predicted Exposure - (ppm) - no modifiers	TRA LEV efficiency (%)	Dilution ventilation effectiveness (%)	TRA concentration factor	TRA duration factor	TRA RPE factor	Extra exposure modifier [optional]	Free text - comment to clarify additional modifier (inhalation)	Predicted Exposure - (ppm) - modified
14	PROC 8b -Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].		250.00								250
15	PROC 9 -Transfer of chemicals into small containers (dedicated filling line)	Professional - SU22	Small package filling [CS7].	Dedicated facility [CS81]; Pouring from small containers [CS9].		250.00								250
16	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39]. ; with local exhaust ventilation [CS109]		500.00	80.000							100
17	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		500.00			5-25%					300
18	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		500.00				1-4 hours				300
19	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].	with local exhaust ventilation [CS109]		1000.00	80.00							200
20	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			1000.00		30.00	5-25%	1-4 hours				252
21	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			1000.00				15 min-1 hour				200
22	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			1000.00					half mask			100
23	PROC 13 -Treatment of articles by dipping and pouring	Professional - SU22	Dipping, immersion and pouring [CS4].			250.00								250
24	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation of articles by tabletting, compression, extrusion or pelletisation [CS100]	with local exhaust ventilation [CS109]		500.00	80.00							100
25	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation of articles by tabletting, compression, extrusion or pelletisation [CS100]			500.00				1-4 hours				300
26	PROC 15 - Use of laboratory reagents in small scale laboratories	Professional - SU22	Laboratory activities [CS36].			50.00								50

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Inhalation Exposure								
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		TRA Predicted Exposure - (ppm) - no modifiers	TRA LEV efficiency (%)	Dilution ventilation effectiveness (%)	TRA concentration factor	TRA duration factor	TRA RPE factor	Extra exposure modifier [optional]	Free text - comment to clarify additional modifier (inhalation)	Predicted Exposure - (ppm) - modified
27	PROC 19 - Hand-mixing with intimate contact (only PPE available	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [CS72]			500.00			5-25%					300
28	PROC 19 - Hand-mixing with intimate contact (only PPE available	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [CS72]			500.00				15 min-1 hour				100

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Dermal Exposure						
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		TRA Predicted Dermal exposure (mg/kg/d) - no modifiers	TRA Dermal exposure LEV reduction factor	TRA concentration factor	PPE factor	extra exposure modifier: [optional]	Free text - comment to clarify additional modifier (dermal)	Predicted Dermal Exposure (mg/kg/d) - modified
1	PROC 1 - Use in closed process, no likelihood of exposure	Professional - SU22	General exposures (closed systems) [CS15].	(closed systems) [CS107].; Process sampling [CS2]. ;		0.34						0.34
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Professional - SU22	General exposures (closed systems) [CS15].	Continuous process [CS54]. ; Process sampling [CS2].		1.37						1.37
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Professional - SU22	General exposures (closed systems) [CS15].	Batch process [CS55]. Process sampling [CS2].		0.34						0.34
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure	Professional - SU22	Process sampling [CS2]. ; (open systems) [CS108]			6.86						6.86
5	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. ; Process sampling [CS2]. ; with local exhaust ventilation [CS109]		13.71	0.01					0.07
6	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		13.71						13.71
7	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		13.71						13.71
8	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]; with local exhaust ventilation [CS109]			27.43	0.05					27.43
9	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]			27.43						27.43
10	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]			27.43						27.43
11	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22]. ; with local exhaust ventilation		13.71	0.01					0.14
12	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		13.71						13.71

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Dermal Exposure						
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		TRA Predicted Dermal exposure (mg/kg/d) - no modifiers	TRA Dermal exposure LEV reduction factor	TRA concentration factor	PPE factor	extra exposure modifier: [optional]	Free text - comment to clarify additional modifier (dermal)	Predicted Dermal Exposure (mg/kg/d) - modified
13	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		13.71						13.71
14	PROC 8b -Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].		6.86						6.86
15	PROC 9 -Transfer of chemicals into small containers (dedicated filling line)	Professional - SU22	Small package filling [CS7].	Dedicated facility [CS81]; Pouring from small containers [CS9].		6.86						6.86
16	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39]. ; with local exhaust ventilation [CS109]		27.43	0.050					1.37
17	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		27.43		5-25%				16.46
18	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		27.43						27.43
19	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].	with local exhaust ventilation [CS109]		107.14	0.02					2.14
20	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			107.14		5-25%				64.28
21	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			107.14						107.14
22	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			107.14						107.14
23	PROC 13 -Treatment of articles by dipping and pouring	Professional - SU22	Dipping, immersion and pouring [CS4].			13.71						13.71
24	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation or articles by tabletting, compression, extrusion or pelletisation [CS100]	with local exhaust ventilation [CS109]		3.43	0.10					0.34

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Dermal Exposure						
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		TRA Predicted Dermal exposure (mg/kg/d) - no modifiers	TRA Dermal exposure LEV reduction factor	TRA concentration factor	PPE factor	extra exposure modifier: [optional]	Free text - comment to clarify additional modifier (dermal)	Predicted Dermal Exposure (mg/kg/d) - modified
25	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation or articles by tabletting, compression, extrusion or pelletisation [CS100]			3.43						3.43
26	PROC 15 - Use of laboratory reagents in small scale laboratories	Professional - SU22	Laboratory activities [CS36].			0.34						0.34
27	PROC 19 - Hand-mixing with intimate contact (only PPE available	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [CS72]			141.43		5-25%	gloves			16.97
28	PROC 19 - Hand-mixing with intimate contact (only PPE available	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [CS72]			141.43						141.43

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Risk Characterization		
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		RCR (inhalation)	RCR (dermal)	RCR (all routes)
1	PROC 1 - Use in closed process, no likelihood of exposure	Professional - SU22	General exposures (closed systems) [CS15].	(closed systems) [CS107].; Process sampling [CS2]. ;		0.00002	0.002	0.002
2	PROC 2 - Use in closed, continuous process with occasional controlled exposure	Professional - SU22	General exposures (closed systems) [CS15].	Continuous process [CS54]. ; Process sampling [CS2].		0.10	0.01	0.11
3	PROC 3 - Use in closed batch process (synthesis or formulation)	Professional - SU22	General exposures (closed systems) [CS15].	Batch process [CS55]. Process sampling [CS2].		0.20	0.002	0.20
4	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	Professional - SU22	Process sampling [CS2]. ; (open systems) [CS108]			0.50	0.04	0.54
5	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. ; Process sampling [CS2]. ; with local exhaust ventilation [CS109]		0.20	0.00	0.20
6	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		0.70	0.07	0.77
7	PROC 5 -Mixing or blending in batch processes (multistage and/or significant contact)	Professional - SU22	Mixing operations (open systems) [CS30].	Batch process [CS55]. Process sampling [CS2].		0.60	0.07	0.67
8	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]; with local exhaust ventilation [CS109]			0.84	0.15	0.99
9	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]			0.84	0.15	0.99
10	PROC 6 -Calendering operations	Professional - SU22	Calendering (including Banburys) [CS64]			0.72	0.15	0.87
11	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22]. ; with local exhaust ventilation [CS109]		0.20	0.001	0.20

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Risk Characterization		
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		RCR (inhalation)	RCR (dermal)	RCR (all routes)
12	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		0.70	0.07	0.77
13	PROC 8a -Transfer of chemicals from/to vessels/ large containers at non dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Non-dedicated facility [CS82]; Transfer from/pouring from containers [CS22].		0.60	0.07	0.67
14	PROC 8b -Transfer of chemicals from/to vessels/ large containers at dedicated facilities	Professional - SU22	Bulk transfers [CS14].	Dedicated facility [CS81]; Transfer from/pouring from containers [CS22].		0.50	0.04	0.54
15	PROC 9 -Transfer of chemicals into small containers (dedicated filling line)	Professional - SU22	Small package filling [CS7].	Dedicated facility [CS81]; Pouring from small containers [CS9].		0.50	0.04	0.54
16	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39]. ; with local exhaust ventilation [CS109]		0.20	0.007	0.21
17	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		0.60	0.09	0.69
18	PROC 10 - Roller application or brushing	Professional - SU22	Rolling, Brushing [CS51].	Or: Equipment cleaning and maintenance [CS39].		0.60	0.15	0.75
19	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].	with local exhaust ventilation [CS109]		0.40	0.01	0.41
20	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			0.50	0.35	0.85
21	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			0.40	0.58	0.98
22	PROC 11 - Non industrial spraying	Professional - SU22	Spraying/fogging by manual application [CS24].			0.20	0.58	0.78

Generic Exposure Scenario:			Professional Processes relevant for Acetone and Acetone containing products			Risk Characterization		
No	Use Descriptor (PROCs)	SU 3 / SU 22	Contributing Scenario	Operational Conditions & typical RMMs		RCR (inhalation)	RCR (dermal)	RCR (all routes)
23	PROC 13 -Treatment of articles by dipping and pouring	Professional - SU22	Dipping, immersion and pouring [CS4].			0.50	0.07	0.57
24	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation or articles by tabletting, compression, extrusion or pelletisation [CS100]	with local exhaust ventilation [CS109]		0.20	0.002	0.20
25	PROC 14 - Production of preparations or articles by tabletting, compression, extrusion, pelletisation	Professional - SU22	Production or preparation or articles by tabletting, compression, extrusion or pelletisation [CS100]			0.60	0.02	0.62
26	PROC 15 - Use of laboratory reagents in small scale laboratories	Professional - SU22	Laboratory activities [CS36].			0.10	0.002	0.10
27	PROC 19 - Hand-mixing with intimate contact (only PPE available	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [CS72]			0.60	0.09	0.69
28	PROC 19 - Hand-mixing with intimate contact (only PPE available	Professional - SU22	Hand application - fingerpaints, pastels, adhesives [CS72]			0.20	0.76	0.96

Acetone - Consumer 2010-08-23

Identified Consumer Generic Exposure Scenarios (GESs) of Acetone

GES No. / EC No. / CAS No.	Subsector	Main SU	Description	PC
1	Uses in Coatings	All Consumer Uses (SU21)	Covers the use in coatings (paints, inks, adhesives, etc) including exposures during use (including product transfer and preparation, application by brush, spray by hand or similar methods) and equipment cleaning.	PC1, PC4, PC5, PC9, PC10, PC15, PC24, PC31
2	Use in Cleaning Agents	All Consumer Uses (SU21)	Covers general exposures to consumers arising from the use of household products sold as washing and cleaning products, aerosols, coatings, de-icers, lubricants and air care products.	PC3, PC4, PC9, PC24, PC32, PC 35, PC38
3	De-icing and anti-icing applications	All Consumer Uses (SU21)	De-icing of vehicles and similar equipment by spraying	PC4

Identified Consumer - PCs & Market Sector - PCs

	Acetone			
PC	Coatings	Cleanings	De-icing	PC type
PC1	x			Consumer
PC3		x		Consumer
PC4	x	x	x	Market Sector
PC9	x	x		Consumer
PC15	x			Market Sector
PC24	x	x		Consumer
PC31	x			Consumer
PC32		x		Market Sector
PC35		x		Consumer
PC38		x		Market Sector

Section 1		Exposure Scenario Title
Title		**GES USES**
Sector of Use (SU code)		21
Use Descriptor (PC codes)		PC LISTS
Processes, tasks, activities covered		DESCRIPTIONS
Environmental Release Category		
Specific Environmental Release Category		
Section 2		**Operational conditions and risk management measures**
Field for additional statements to explain scenario if required - pending better understanding from ECHA		
Section 2.1		**Control of consumer exposure**
Product characteristics		
Physical form of product		liquid
Vapour pressure		24000
Concentration of substance in product		Unless otherwise stated, cover concentrations up to 100% [ConsOC1]
Amounts used		Unless otherwise stated, covers use amounts up to37500g [ConsOC2]; covers skin contact area up to 6600cm2 [ConsOC5]
Frequency and duration of use/exposure		Unless otherwise stated, covers use frequency up to 4 times per day [ConsOC4]; covers exposure up to 8 hours per event [ConsOC14]
Other Operational Conditions affecting exposure		Unless otherwise stated assumes use at ambient temperatures [ConsOC15]; assumes use in a 20 m^3 room [ConsOC11]; assumes use with typical ventilation [ConsOC8].
Section 2.1.1		**Product categories**
PC1:Adhesives, sealants--Glues, hobby use	OC	Unless otherwise stated, covers concentrations up to 30% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 35.73 cm2 [ConsOC5]; for each use event, covers use amounts up to 9g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 4.00hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC1:Adhesives, sealants--Glues DIY-use (carpet glue, tile glue, wood parquet glue)	OC	Unless otherwise stated, covers concentrations up to 30% [ConsOC1]; covers use up to 1 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 110.00 cm2 [ConsOC5]; for each use event, covers use amounts up to 6390g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 6.00hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC1:Adhesives, sealants--Glue from spray	OC	Unless otherwise stated, covers concentrations up to 30% [ConsOC1]; covers use up to 6 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 35.73 cm2 [ConsOC5]; for each use event, covers use amounts up to 85.05g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 4.00hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated

Section 2.1.1		Product categories
PC1:Adhesives, sealants--Sealants	OC	Unless otherwise stated, covers concentrations up to 30% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 35.73 cm2 [ConsOC5]; for each use event, covers use amounts up to 75g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 1.00hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC3:Air care products--Air care, instant action (aerosol sprays)	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 4 times/day of use[ConsOC4]; for each use event, covers use amounts up to 0.1g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 0.25hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC3:Air care products--Air care, continuous action (solid and liquid)	OC	Unless otherwise stated, covers concentrations up to 10% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 35.70 cm2 [ConsOC5]; for each use event, covers use amounts up to 0.48g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 8.00hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC4_n:Anti-freeze and de-icing products--Washing car window	OC	Unless otherwise stated, covers concentrations up to 1% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; for each use event, covers use amounts up to 0.5g [ConsOC2]; Covers use in a one car garage (34m3) under typcial ventilation [ConsOC10]; covers use in room size of 34m3[ConsOC11]; for each use event, covers exposure up to 0.02hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC4_n:Anti-freeze and de-icing products--Pouring into radiator	OC	Unless otherwise stated, covers concentrations up to 10% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 428.00 cm2 [ConsOC5]; for each use event, covers use amounts up to 2000g [ConsOC2]; Covers use in a one car garage (34m3) under typcial ventilation [ConsOC10]; covers use in room size of 34m3[ConsOC11]; for each use event, covers exposure up to 0.17hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC4_n:Anti-freeze and de-icing products--Lock de-icer	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 214.40 cm2 [ConsOC5]; for each use event, covers use amounts up to 4g [ConsOC2]; Covers use in a one car garage (34m3) under typcial ventilation [ConsOC10]; covers use in room size of 34m3[ConsOC11]; for each use event, covers exposure up to 0.25hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC9a:Coatings and paints, fillers putties, thinners--Waterborne latex wall paint	OC	Unless otherwise stated, covers concentrations up to 1.5% [ConsOC1]; covers use up to 4 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 428.75 cm2 [ConsOC5]; for each use event, covers use amounts up to 2760g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 2.20hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC9a:Coatings and paints, fillers putties, thinners--Solvent rich, high solid, water borne paint	OC	Unless otherwise stated, covers concentrations up to 27.5% [ConsOC1]; covers use up to 6 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 428.75 cm2 [ConsOC5]; for each use event, covers use amounts up to 744g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 2.20hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated

Section 2.1.1		Product categories
PC9a:Coatings and paints, fillers putties, thinners--Aerosol spray can	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 2 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; for each use event, covers use amounts up to 215g [ConsOC2]; Covers use in a one car garage (34m3) under typcial ventilation [ConsOC10]; covers use in room size of 34m3[ConsOC11]; for each use event, covers exposure up to 0.33hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC9a:Coatings and paints, fillers putties, thinners--Removers (paint-, glue-, wall paper-, sealant-remover)	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 3 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 857.50 cm2 [ConsOC5]; for each use event, covers use amounts up to 491g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 2.00hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC9b:Fillers, putties, plasters, modeling clay--Fillers and putty	OC	Unless otherwise stated, covers concentrations up to 2% [ConsOC1]; covers use up to 12 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 35.73 cm2 [ConsOC5]; for each use event, covers use amounts up to 85g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 4.00hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC9b:Fillers, putties, plasters, modeling clay--Plasters and floor equalizers	OC	Unless otherwise stated, covers concentrations up to 2% [ConsOC1]; covers use up to 12 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 857.50 cm2 [ConsOC5]; for each use event, covers use amounts up to 13800g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 2.00hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC9b:Fillers, putties, plasters, modeling clay--Modelling clay	OC	Unless otherwise stated, covers concentrations up to 1% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 254.40 cm2 [ConsOC5]; for each use event, assumes swallowed amount of 1g [ConsOC13];
	RMM	No specific RMMs identified beyond those OCs stated
PC9c:Finger paints --Finger paints	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 254.40 cm2 [ConsOC5]; for each use event, assumes swallowed amount of 1.35g [ConsOC13];
	RMM	Avoid using at a product concentration greater than 5% [ConsRMM1];
PC15_n: Non-metal surface treatment products--Solvent rich, high solid, water borne paint	OC	Unless otherwise stated, covers concentrations up to 27.5% [ConsOC1]; covers use up to 6 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 428.75 cm2 [ConsOC5]; for each use event, covers use amounts up to 744g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 2.20hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC15_n: Non-metal surface treatment products--Aerosol spray can	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 2 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; for each use event, covers use amounts up to 215g [ConsOC2]; Covers use in a one car garage (34m3) under typcial ventilation [ConsOC10]; covers use in room size of 34m3[ConsOC11]; for each use event, covers exposure up to 0.33hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC15_n: Non-metal surface treatment products--Removers (paint-, glue-, wall paper-, sealant-remover)	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 3 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 857.50 cm2 [ConsOC5]; for each use event, covers use amounts up to 491g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 2.00hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated

Section 2.1.1		Product categories
PC24: Lubricants, greases, and release products--Liquids	OC	Unless otherwise stated, covers concentrations up to 100% [ConsOC1]; covers use up to 4 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 468.00 cm2 [ConsOC5]; for each use event, covers use amounts up to 2200g [ConsOC2]; Covers use in a one car garage (34m3) under typcial ventilation [ConsOC10]; covers use in room size of 34m3[ConsOC11]; for each use event, covers exposure up to 0.17hr/event[ConsOC14];
	RMM	
PC24: Lubricants, greases, and release products--Pastes	OC	Unless otherwise stated, covers concentrations up to 20% [ConsOC1]; covers use up to 10 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 468.00 cm2 [ConsOC5]; for each use event, covers use amounts up to 34g [ConsOC2]; covers use in room size of m3[ConsOC11];
	RMM	No specific RMMs identified beyond those OCs stated
PC24: Lubricants, greases, and release products--Sprays	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 6 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 428.75 cm2 [ConsOC5]; for each use event, covers use amounts up to 73g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 0.17hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC31:Polishes and wax blends--Polishes, wax / cream (floor, furniture, shoes)	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 29 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 430.00 cm2 [ConsOC5]; for each use event, covers use amounts up to 142g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 1.23hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC31:Polishes and wax blends--Polishes, spray (furniture, shoes)	OC	Unless otherwise stated, covers concentrations up to 50% [ConsOC1]; covers use up to 8 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 430.00 cm2 [ConsOC5]; for each use event, covers use amounts up to 35g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 0.33hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC35:Washing and cleaning products (including solvent based products)--Laundry and dish washing products	OC	Unless otherwise stated, covers concentrations up to 5% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 857.50 cm2 [ConsOC5]; for each use event, covers use amounts up to 15g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 0.50hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC35:Washing and cleaning products (including solvent based products)--Cleaners, liquids (all purpose cleaners, sanitary products, floor cleaners, glass cleaners, carpet cleaners, metal cleaners)	OC	Unless otherwise stated, covers concentrations up to 5% [ConsOC1]; covers use up to 128 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 857.50 cm2 [ConsOC5]; for each use event, covers use amounts up to 27g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 0.33hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
PC35:Washing and cleaning products (including solvent based products)--Cleaners, trigger sprays (all purpose cleaners, sanitary products, glass cleaners)	OC	Unless otherwise stated, covers concentrations up to 15% [ConsOC1]; covers use up to 128 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; covers skin contact area up to 428.00 cm2 [ConsOC5]; for each use event, covers use amounts up to 35g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 0.17hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated

Section 2.1.1		Product categories
PC38_n: Welding and soldering products, flux products--NOTE, n_assessment not in TRA	OC	Unless otherwise stated, covers concentrations up to 20% [ConsOC1]; covers use up to 365 days/year[ConsOC3]; covers use up to 1 time/on day of use[ConsOC4]; for each use event, covers use amounts up to 12g [ConsOC2]; covers use under typical household ventilation [ConsOC8]; covers use in room size of 20m3[ConsOC11]; for each use event, covers exposure up to 1.00hr/event[ConsOC14];
	RMM	No specific RMMs identified beyond those OCs stated
Section 3		**Exposure Estimation** *('Flexible' heading)*
ECHA Note in draft template: Exposure estimation and risk characterisation ratios (for all routes of expoure for consumers and all compartments for environment) resulting from the conditions described under Sections 2.1 and 2.2.), and the substance properties; make reference to the exposure assessment tool applied. Note: Detail could be confusing for customers. Also may be an extensive list. Proposal to include a weblink from where these data can be retrieved (a component of GES development).		
3.1. Health		
Health sub-headings *(design as phrases)*		*Standard phrases expected. Ability to include a web link.*
3.2. Environment		
Environment sub-headings *(design as phrases)*		*Standard phrases expected. Ability to include a web link.*
Section 4		**Guidance to check compliance with the Exposure Scenario** *('Flexible' heading)*
Guidance how the DU can evaluate whether he operates within the conditions set in the exposure scenario - scaling tools. Standard phrases		
4.1. Health		
Health sub-headings *(design as phrases)*		*Utilize TRA, TRA+ and/or CONSEXPO exposure model*
4.2. Environment		
Environment sub-headings *(design as phrases)*		*Standard phrases*