

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 17.10.2025

Version number 207.09 (replaces version 207.08)

Revision: 17.10.2025

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Trade name Aceton rein**Other trade names:****Article number:** 1000450902000**CAS Number:**

67-64-1

EC number:

200-662-2

Index number:

606-001-00-8

REACH-Registration number 01-2119471330-49

1.2 Relevant identified uses of the substance or mixture and uses advised against

For details on the identifiable uses according to EC-regulation No. 1907/2006 see annex of this safety data sheet.

Restrictions on use:

Restrictions on use according to REGULATION (EC) No 1907/2006 ANNEX XVII apply to this product (see section 15).

Application of the substance / the mixture Industrial use

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

STOCKMEIER Chemie GmbH & Co.KG, Am Stadtholz 37, DE - 33609 Bielefeld
Tel.: +49 521 / 30 37-0, ehs-bielefeld@stockmeier.de

STOCKMEIER Fluids GmbH & Co. KG, Sanssouci 12, DE – 58802 Balve
Tel.: +49 2375 917 310, fluids@stockmeier.com

BASSERMANN Minerals GmbH & Co. KG, Rudolf-Diesel-Straße 42, DE – 68169 Mannheim
Tel.: +49 621 15 01 0, verkauf@bassermann.de

STOCKMEIER CHEMIA Sp. z o. o., ul. Obornicka 277, PL - 60-691 Poznań
Tel.: +48 61 666 10 66, zamowienia@stockmeier.pl

STOCKMEIER QUIMICA, S.L.U., Avda. del Baix Llobregat, 3- 5, ES – 08970 Sant Joan Despí (Barcelona)
Tel.: +34 93 506 91 83, tecnico-calidad@stockmeier.es

STOCKMEIER NETHERLANDS B.V., Ridderpoort 5, NL - 2984 BG Ridderkerk
Tel.: +31 180 41 5988, info@stockmeier.nl

WigaChem GmbH - Brown-Boveri-Straße 6/1/22 - AT- 2351 Wiener Neudorf
Tel. 00432236/623-40, office@wigachem.at, www.wigachem.at

KEMTAN AG, Seewenweg 6, CH – 4153 Reinach
Tel.: +41 61 711 20 20, info@kemtan.ch

STOCKMEIER CHEMICALS BELUX SA/NV, Rue de la Station 17, BE – 1300 Limal
Tel.: +32 10 421-320, info@stockmeierchemicalsbelux.com

HDS – Chemie Handels GES.M.B.H., Bauernmarkt 24, AT - 1010 Wien
Tel.: +43 15 32 0 999, office@hds-chemie.at

www.stockmeier.com

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Informing department:

Product safety department. Tel.: 0049 / 521 / 3037-381

E-mail: ehs-bielefeld@stockmeier.de

1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS07

Signal word Danger**Hazard statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take action to prevent static discharges.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P235 Store in a well-ventilated place. Keep cool.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Determination of endocrine-disrupting properties** Not applicable.

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SECTION 3: Composition/information on ingredients

3.1 Substances Aceton (CH₃)₂C=O**CAS No. Designation:**

67-64-1 acetone

Identification no(s):**EC number:** 200-662-2**Index number:** 606-001-00-8**SVHC**

This preparation does not contain any substances of very high concern (SVHC) in a concentration of ≥ 0.1 % according to Regulation (EC) 1907/2006, Article 57.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: Instantly remove any clothing soiled by the product.**After inhalation**

Supply fresh air and call for doctor for safety reasons.

In case of unconsciousness bring patient into stable side position for transport.

After skin contact

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

After eye contact

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

4.2 Most important symptoms and effects, both acute and delayed

Headache

Dazed

Dizziness

Sickness

Unconsciousness

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media**Suitable extinguishing agents**CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.**For safety reasons unsuitable extinguishing agents** Water with a full water jet.**5.2 Special hazards arising from the substance or mixture** Can form explosive gas-air mixtures.**5.3 Advice for firefighters****Protective equipment:** Adapt protective equipment to the surrounding fire.**Additional information**

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

Temperaturklasse: T 1 (DIN 57165)

Explosionsgruppe II A (DIN 57165)

Brandklasse: B

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Put on protective equipment and keep unprotected persons away.

Extinguish naked flames. Remove flammable sources. No smoking. Avoid sparks. Avoid contact with skin, eyes and clothing. Avoid inhalation of fumes. Air contaminated rooms thoroughly. Protect against electrostatic sparks.

6.2 Environmental precautions:

Prevent material from reaching sewage system, holes and cellars.

In case of release of larger quantities, inform competent authorities.

Damp down gases/fumes/haze with water spray jet.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/extraction at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Restrict the quantity stored in the work place.

Avoid repeated or long term skin contact.

Prevent formation of aerosols.

Information about protection against explosions and fires:

Fumes can combine with air to form an explosive mixture.

Flammable mixtures may be formed in empty containers.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Observe laws and regulations on the storage and use of substances hazardous to water.

Store in cool location.

Suitable material for containers and pipes: Aluminium.

Suitable material for containers and conduit: steel or stainless steel.

Further information about storage conditions:

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

Store container in a well ventilated position.

Storage class 3 Flammable liquids (TRGS 510, Storage of dangerous substances in portable containers)

7.3 Specific end use(s) No further relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

67-64-1 acetone

AGW (Germany)	Long-term value: 1200 mg/m ³ , 500 ppm 2(l);AGS, DFG, EU, Y
IOELV (EU)	Long-term value: 1210 mg/m ³ , 500 ppm

DNELs

Oral	DNEL (population)	62 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	186 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	62 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	2420 mg/m ³ (Acute, local effects)
		1210 mg/m ³ (Long-term, systemic effects)
	DNEL (population)	200 mg/m ³ (Long-term, systemic effects)

PNECs

PNEC water	10,6 mg/l (freshwater) 1,06 mg/l (marine water)
PNEC	21 mg/l (intermittent releases) 100 mg/l (sewage plant)
PNEC sediment	30,4 mg/kg dw (freshwater) 3,04 mg/kg dw (marine water)
PNEC soil	29,5 mg/kg dw (soil)

Ingredients with biological limit values:

67-64-1 acetone

BGW (Germany)	50 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
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Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Appropriate engineering controls

Room ventilation or extraction. Measures against electrostatic charging.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Do not inhale gases / fumes / aerosols.

Use skin protection cream for preventive skin protection.

Breathing equipment:

Breathing protection recommended.

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protective equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers.

Where air-filtering respirators are suitable, select an appropriate combination of mask and filter, select a filter suitable for organic gases and vapours (Boiling point >65°C.). Where respiratory protective equipment is required, use a full face mask.

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Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space use appropriate positive pressure breathing apparatus.

Recommended filter device for short term use: Filter AX

Hand protection

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Check the permeability prior to each renewed use of the glove.

To avoid skin problems reduce the wearing of gloves to the required minimum.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Butyl rubber, recommended material thickness: $\geq 0,5$ mm, breakthrough time: ≥ 240 min.

Penetration time of glove material

Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.

Change protective gloves if you notice signs of wear.

For the permanent contact gloves made of the following materials are suitable: Butyl rubber, BR

Not suitable are gloves made of the following materials:

Strong gloves

Leather gloves

Natural rubber (latex)

Chloroprene rubber, CR

Nitrile rubber, NBR

Fluorocarbon rubber (Viton)

PVC gloves

Eye/face protection Tightly sealed safety glasses.

Body protection: Standard protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

Colour:

Clear

Smell:

Characteristic
betäubend, produktspez.

Odour threshold:

Not determined.

Melting point/freezing point:

-94,7 °C

Boiling point or initial boiling point and boiling range

55,8-56,6 °C (ASTM D97)

Flammability

Highly flammable.

Lower and upper explosion limit

Lower:

2,6 Vol %

Upper:

13 Vol %

Flash point:

<-18 °C (IP 170 Abel)

Auto-ignition temperature:

465 °C (ASTM 2155)

Decomposition temperature:

Not determined

pH

Not determined.

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pH-value:	
Viscosity:	
Kinematic viscosity	Not determined
dynamic at 20 °C:	0,32 mPas (ASTM D 445)
Not determined.	
Solubility	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	247 hPa
Vapour pressure at 50 °C:	800 hPa
Density and/or relative density	
Density at 20 °C	0,79 g/cm ³ (ASTM D 4052)
Relative density	Not determined
Vapour density	Not determined.

9.2 Other information	relative Dampfdichte: 2,0 (Luft = 1)
	Verdunstungszahl: 2,0 (Ether = 1) (DIN 53170)
	Verdunstungszahl: 5,6 (nBuAc = 1) (ASTM D 3539)
	Sättigungskonzentration bei 20 °C: 590 g/m ³ (berechnet)
	Molmasse: 58,08 g/mol
Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Self-inflammability:	Not determined
Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
Molecular weight	58,08 g/mol
Evaporation rate	Not determined

Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Highly flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void

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Desensitised explosives

Void

SECTION 10: Stability and reactivity

10.1 Reactivity see section 10.3**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

Can be distilled without decomposing at normal pressure

To avoid: warmth, flames, sparks

10.3 Possibility of hazardous reactions

Possible formation of peroxide

Used empty containers may contain product gases which form explosive mixtures with air

Danger of containers bursting because of high vapour pressure

Forms explosive gas mixture with air

Reacts with strong oxidizing agents

10.4 Conditions to avoid No further relevant information available.**10.5 Incompatible materials:**

strong oxidising agents

Strong bases

10.6 Hazardous decomposition products:

Formation of carbon monoxide and carbon dioxide in case of fire.

* SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values that are relevant for classification:**

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	7426-15800 mg/kg (rabbit)
Inhalative	LC 50 / 4 h	76 mg/l (rat)

Primary irritant effect:**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation**

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure**

May cause drowsiness or dizziness.

STOT-repeated exposure Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**Germ cell mutagenicity:** Ames test: Negative**Carcinogenicity:** No data available.**Reproductive toxicity:** No data available**STOT-single exposure:** No data available.**STOT-repeated exposure:**

Oral	NOAEL	900 mg/kg (rat) (KG/day 90 days)
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Additional toxicological information:

Vapours in higher concentration have an irritating effect on the upper respiratory tract. Very high concentrations may cause dizziness, headaches and unconsciousness.

11.2 Information on other hazards

Endocrine disrupting properties Substance is not listed.

* SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity:**

LC 50 / 96 h	7500 mg/l (Leuciscus idus)
	5540 mg/l (Oncorhynchus mykiss)
EC 50 / 48 h	8800 mg/l (Daphnia magna)
EC 50 / 96 h	8300 mg/l (Lepomis macrochirus)
	7500 mg/l (Selenastrum capricornutum)

12.2 Persistence and degradability The product is readily biodegradable.

Degree of elimination: 82%

12.3 Bioaccumulative potential

Dissolves in water. Lost within a day by evaporation and dissolution.

Large volumes may penetrate soil and could contaminate groundwater.

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Behaviour in sewage processing plants:**

Calculated theoretical oxygen demand: 2.21 g O₂/g

Closed bottle test: BOD₅ at 20 °C (sewage treatment plant): 1.86 gO₂/g 84 % ThOD

Additional ecological information:**General notes:**

Do not allow to enter drainage system, surface or ground water

Water hazard class 1 (Assessment by list): slightly hazardous for water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The note below refers to the product left as it is and not to further processed products. When mixed with other products, other disposal routes may be required; if in doubt, consult the supplier of the product or the local authority.

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

If possible, send to be recycled, otherwise burn or deposit in a certified facility.

Waste disposal key number:

Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be taken from the European Waste Catalogue.

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Uncleaned packagings:**Recommendation:**

Other containers: Empty completely and clean for reconditioning or reprocessing.

Caution: Leftovers in the containers may cause the risk of explosion.

Uncleaned containers should not be perforated, cut or welded.

Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

14.1 UN number or ID number ADR/RID, IMDG, IATA	UN1090
14.2 UN proper shipping name ADR/RID IMDG, IATA	1090 ACETONE ACETONE
14.3 Transport hazard class(es) ADR/RID Class Label	3 (F1) Flammable liquids. 3
IMDG, IATA Class Label	3 Flammable liquids. 3
14.4 Packing group ADR/RID, IMDG, IATA	II
14.5 Environmental hazards: Marine pollutant:	no
14.6 Special precautions for user Kemler Number: EMS Number: Stowage Category	Warning: Flammable liquids. 33 F-E,S-D E
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR/RID Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
IMDG Limited quantities (LQ) Excepted quantities (EQ)	1L Código E4 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1090 ACETONE, 3, II

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS07

Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take action to prevent static discharges.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403+P235 Store in a well-ventilated place. Keep cool.

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is not listed.

Seveso category P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 t

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV) Substance is not listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40, 75

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Substance is not listed.

REGULATION (EU) 2019/1148

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

67-64-1	acetone
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Regulation (EC) No 273/2004 on drug precursors 3

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

3

National regulations

Information about limitation of use:

Employment restrictions concerning young persons must be observed.

VOC: 100 %

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57 Substance is not listed.

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15.2 Chemical safety assessment: A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2023/707.

Department issuing data specification sheet: See section 1.3: Responding area

Date of previous version: 31.07.2025

Version number of previous version: 207.08

Abbreviations and acronyms:

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

*** Data compared to the previous version altered.**

ANNEX

Exposure Scenarios:

Industrial use

Commercial uses

Consumer end use

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Annex: Exposure scenario 1

Short title of the exposure scenario Industrial use**Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites**Process category**

PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC4 Chemical production where opportunity for exposure arises

PROC5 Mixing or blending in batch processes

PROC6 Calendering operations

PROC7 Industrial spraying

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC10 Roller application or brushing

PROC12 Use of blowing agents in manufacture of foam

PROC13 Treatment of articles by dipping and pouring

PROC14 Tableting, compression, extrusion, pelletisation, granulation

PROC15 Use as laboratory reagent

PROC19 Manual activities involving hand contact

Environmental release category

ERC1 Manufacture of the substance

ERC2 Formulation into mixture

ERC4 Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

ERC5 Use at industrial site leading to inclusion into/onto article

ERC6a Use of intermediate

ERC6d Use of reactive process regulators in polymerisation processes at industrial site (inclusion or not into/onto article)

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

ERC10a Widespread use of articles with low release (outdoor)

ERC must be checked with the ECT tool.

Conditions of use**Duration and frequency** Includes daily exposures of up to 8 hours (unless otherwise specified).**Environment**

Indoor and outdoor applications

< 365 days/year

The ECTAceton tool is provided to calculate the maximum allowable tonnage at a site. The tool can be downloaded from the REACH Consortium's Phenol and Derivatives website.

<http://www.reachcentrum.eu/en/consortium-management/consortia-under-reach/phenol-derivatives-reach-consortium/phenol-derivatives-dossiers.aspx>**Physical parameters****Physical state**

Fluid

Vapour pressure: > 100 hPa (20°C)

Concentration of the substance in the mixture Includes concentrations up to: 100%**Other operational conditions****Other operational conditions affecting environmental exposure**

Local freshwater dilution factor: 10

Local seawater dilution factor: 100

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Risk management measures

Sample through a closed loop or other system to prevent exposure. Handle substance in a closed system: (PROC1, PROC2, PROC3)

Ensure material transfers are under containment or extract ventilation. ((Effectiveness: 95%) or operation is undertaken outdoors. ((Effectiveness: 30%): PROC7

Worker protection**Organisational protective measures**

Deploy only trained chemical workers.

Keep good industrial hygiene.

Technical protective measures

Ensure good general basic ventilation. Natural ventilation is achieved through doors, windows, etc. Controlled ventilation means the supply or exhaust air by means of an active fan.

Place bulk storage in the outdoor area.

Personal protective measures

Breathing protection recommended.

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protective equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers.

Where air-filtering respirators are suitable, select an appropriate combination of mask and filter, select a filter suitable for organic gases and vapours (Boiling point >65°C.). Where respiratory protective equipment is required, use a full face mask.

Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space use appropriate positive pressure breathing apparatus.

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Check the permeability prior to each renewed use of the glove.

To avoid skin problems reduce the wearing of gloves to the required minimum.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Butyl rubber, recommended material thickness: $\geq 0,5$ mm, breakthrough time: ≥ 240 min.

Tightly sealed safety glasses.

Standard protective work clothing.

Environmental protection measures

On the basis of currently available information on physico-chemical properties, environmental fate behaviour and ecotoxicity, acetone has not to be classified as 'dangerous for the environment' or assessed to be a PBT or vPvB. A risk characterization for the environment, addressing quantitatively all identified uses of the registrant is not required.

However, in order to provide DU with information to assess their local conditions, the ECT tool could be used to perform an environmental risk assessment. It includes predefined scenarios for safe use to address local working conditions of downstream-users, if needed.

ECT-acetone tool based on EUSES.

Air

Limit air emission to a typical retention (or reduction?) efficiency of: 90%.

Typical technical measures are closed systems, exhaust air scrubbers or activated carbon filters.

Water Wastewater treatment plant discharge rate: To be determined by the site.

Disposal measures

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

If possible, send to be recycled, otherwise burn or deposit in a certified facility.

Exposure estimation The exposure estimation was carried out in accordance with ECETOC TRA.

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Worker (dermal)

Exposure assessment RCR		
0,34 mg/kg/day	0,002	PROC1, PROC3, PROC12, PROC14, PROC15
1,37 mg/kg/day	0,01	PROC2
6,86 mg/kg/day	0,04	PROC4, PROC9
13,71 mg/kg/day	0,07	PROC5, PROC8a, PROC13
27,43 mg/kg/day	0,15	PROC6, PROC10
2,14 mg/kg/day	0,01	PROC7 (TRA skin exposue LEV 0,05)
42,86 mg/kg/day	0,23	PROC7
6,86 mg/kg/day	0,037	PROC8b
0,34 mg/kg/day	0,00	PROC14, PROC15
28,29 mg/kg/day	0,15	PROC19

Worker (inhalation)

Exposure assessment RCR		
0,01 ppm	0,00002	PROC1
50 ppm	0,10	PROC2, PROC7, PROC14, PROC15
100 ppm	0,20	PROC3, PROC4, PROC12
250 ppm	0,50	PROC5, PROC6, PROC8a, PROC10, PROC13, PROC19
25 ppm	0,05	PROC7 (TRA LEV efficiency: 95%)
350 ppm	0,70	PROC7 (Dilution Ventilation effectiveness: 30%)
150 ppm	0,30	PROC8b
200 ppm	0,40	PROC9

Environment

As no environmental hazard was identified, an environmentally based exposure assessment and risk characterisation was not performed.

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Annex: Exposure scenario 2

Short title of the exposure scenario Commercial uses**Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Process category

PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC3 Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

PROC4 Chemical production where opportunity for exposure arises

PROC5 Mixing or blending in batch processes

PROC6 Calendering operations

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

PROC10 Roller application or brushing

PROC11 Non industrial spraying

PROC13 Treatment of articles by dipping and pouring

PROC15 Use as laboratory reagent

PROC19 Manual activities involving hand contact

Environmental release category

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC8b Widespread use of reactive processing aid (no inclusion into or onto article, indoor)

ERC8c Widespread use leading to inclusion into/onto article (indoor)

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

ERC8e Widespread use of reactive processing aid (no inclusion into or onto article, outdoor)

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

ERC must be checked with the ECT tool.

Conditions of use**Duration and frequency**

Includes daily exposures of up to 8 hours (unless otherwise specified).

If no exhaust ventilation is available daily exposure of up to 4 hours: PROC5, PROC6, PROC8a, PROC10, PROC11, PROC14

Substance content in the product > 25% exposure <1 h: PROC11, PROC19

Environment

Indoor and outdoor applications

< 365 days/year

The ECTAceton tool is provided to calculate the maximum allowable tonnage at a site. The tool can be downloaded from the REACH Consortium's Phenol and Derivatives website.

<http://www.reachcentrum.eu/en/consortium-management/consortia-under-reach/phenol-derivatives-reach-consortium/phenol-derivatives-dossiers.aspx>**Physical parameters****Physical state**

Fluid

Vapour pressure: > 100 hPa (20°C)

Concentration of the substance in the mixture

Includes concentrations up to: 100%

Limit substance content in the product to 25%, if no exhaust ventilation is available: PROC10, PROC11, PROC19

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Other operational conditions**Other operational conditions affecting environmental exposure**

Local freshwater dilution factor: 10

Local seawater dilution factor: 100

Risk management measures

Sample through a closed loop or other system to prevent exposure. Handle substance in a closed system: (PROC1, PROC2, PROC3)

Ensure material transfers are under containment or extract ventilation. (TRA LEV Effectiveness: 80%): PROC5, PROC8a, PROC10, PROC11, PROC14

or operation is performed outdoors. (Dilution ventilation efficiency: 30%): PROC5, PROC8a, PROC11

Ensure that the operation is performed outdoors (dilution ventilation efficiency: 30%) or outdoors with local ventilation (efficiency: 80%): PROC6

Worker protection**Organisational protective measures**

Deploy only trained chemical workers.

Keep good industrial hygiene.

Technical protective measures

Ensure good general basic ventilation. Natural ventilation is achieved through doors, windows, etc.

Controlled ventilation means the supply or exhaust air by means of an active fan.

Place bulk storage in the outdoor area.

Personal protective measures

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protective equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers.

Where air-filtering respirators are suitable, select an appropriate combination of mask and filter, select a filter suitable for organic gases and vapours (Boiling point >65°C.). Where respiratory protective equipment is required, use a full face mask.

Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space use appropriate positive pressure breathing apparatus.

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Check the permeability prior to each renewed use of the glove.

To avoid skin problems reduce the wearing of gloves to the required minimum.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Butyl rubber, recommended material thickness: $\geq 0,5$ mm, breakthrough time: ≥ 240 min.

Tightly sealed safety glasses.

Standard protective work clothing. Chemical-resistant safety shoes or boots. If skin contact may occur, wear protective clothing impermeable to this substance.

Environmental protection measures

On the basis of currently available information on physico-chemical properties, environmental fate behaviour and ecotoxicity, acetone has not to be classified as 'dangerous for the environment' or assessed to be a PBT or vPvB. A risk characterization for the environment, addressing quantitatively all identified uses of the registrant is not required.

However, in order to provide DU with information to assess their local conditions, the ECT tool could be used to perform an environmental risk assessment. It includes predefined scenarios for safe use to address local working conditions of downstream-users, if needed.

ECT-acetone tool based on EUSES.

Air

Limit air emission to a typical retention (or reduction?) efficiency of: 90%.

Typical technical measures are closed systems, exhaust air scrubbers or activated carbon filters.

Water Wastewater treatment plant discharge rate: To be determined by the site.

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Disposal measures

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. If possible, send to be recycled, otherwise burn or deposit in a certified facility.

Exposure estimation The exposure estimation was carried out in accordance with ECETOC TRA.

Worker (dermal)

Exposure assessment RCR		
0,34 mg/kg/day	0,002	PROC1, PROC3, PROC14, PROC15
1,37 mg/kg/day	0,01	PROC2
6,86 mg/kg/day	0,04	PROC4, PROC8b, PROC9
0,07 mg/kg/day	0,00	PROC5 (TRA Dermal exposure LEV reduction factor 0,01)
13,71 mg/kg/day	0,07	PROC5, PROC8a, PROC13
27,43 mg/kg/day	0,15	PROC6, PROC10
2,14 mg/kg/day	0,01	PROC8a (TRA Dermal exposure LEV reduction factor 0,01)
1,37 mg/kg/day	0,007	PROC10 (TRA Dermal exposure LEV reduction factor 0,05)
16,46 mg/kg/day	0,09	PROC10 (TRA Concentration factor 5-25%)
2,14 mg/kg/day	0,01	PROC11 (TRA Dermal exposure LEV reduction factor 0,02)
64,28 mg/kg/day	0,35	PROC11 (TRA Concentration factor 5-25%)
107,14 mg/kg/day	0,58	PROC11
3,43 mg/kg/day	0,02	PROC14
16,97 mg/kg/day	0,09	PROC19 (TRA Concentration factor 5-25%, PPE factor: gloves)

Worker (inhalation)

Exposure assessment RCR		
0,01 ppm	0,00002	PROC1
50 ppm	0,10	PROC2, PROC15
100 ppm	0,20	PROC3
250 ppm	0,50	PROC4, PROC8b, PROC9, PROC13
100 ppm	0,20	PROC5, PROC8a, PROC10, PROC14 (TRA LEV efficiency: 80%)
350 ppm	0,70	PROC5, PROC8a (Dilution ventilation efficiency: 30%)
300 ppm	0,60	PROC5, PROC8a, PROC10 (TRA Duration factor 1-4 h)
300 ppm	0,60	PROC10, PROC19 (TRA concentration factor 5-25%)
420 ppm	0,84	PROC6 (TRA LEV efficiency: 80%)
420 ppm	0,84	PROC6 (Dilution ventilation efficiency: 30%)
360 ppm	0,72	PROC6 (TRA Duration factor 1-4 h)
200 ppm	0,40	PROC11 (TRA LEV efficiency: 80%)
252 ppm	0,50	PROC11 (Dilution ventilation efficiency: 30%), (TRA Duration factor 1-4-h), (TRA concentration factor 5-25%)
200 ppm	0,40	PROC11 (TRA Duration factor 15 min - 1h)
100 ppm	0,20	PROC11 (TRA RPE factor half mask)
100 ppm	0,20	PROC19 (TRA Duration factor 15 min - 1h)

Environment

As no environmental hazard was identified, an environmentally based exposure assessment and risk characterisation was not performed.

Guidance for downstream users

Under the conditions listed above, the procedure is considered safe.

Other conditions should only be considered if measurements or appropriate calculations demonstrate that the RCR is < 1.

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Annex: Exposure scenario 3

Short title of the exposure scenario Consumer end use**Sector of Use** SU21 Consumer uses: Private households / general public / consumers**Product category**

PC1 Adhesives, sealants

PC3 Air care products

PC4 Anti-Freeze and de-icing products

PC5 Artist Accessories and Hobby Mixtures

PC9a Coatings and paints, thinners, paint removers

PC9b Fillers, putties, plasters, modelling clay

PC9c Finger paints

PC10 Building and construction mixtures not otherwise specified

PC15 Non-metal-surface treatment products

PC24 Lubricants, greases, release products

PC31 Polishes and wax blends

PC32 Polymer preparations and compounds

PC35 Washing and cleaning products (including solvent based products)

PC38 Welding and soldering products, flux products

Environmental release category ERC must be checked with the ECT tool.**Conditions of use****Duration and frequency**

4 Event(s)/day (unless otherwise specified)

Includes daily exposures of up to 8 hours (unless otherwise specified).

Environment

Indoor and outdoor applications

< 365 days/year

The ECTAceton tool is provided to calculate the maximum allowable tonnage at a site. The tool can be downloaded from the REACH Consortium's Phenol and Derivatives website.

<http://www.reachcentrum.eu/en/consortium-management/consortia-under-reach/phenol-derivatives-reach-consortium/phenol-derivatives-dossiers.aspx>**Physical parameters****Physical state**

Fluid

Vapour pressure: > 100 hPa (20°C)

Concentration of the substance in the mixture Includes concentrations up to: 100%**Used amount per time or activity**

(unless otherwise stated)

Includes an applied quantity of up to: 37.500 g

Other operational conditions

(unless otherwise stated)

Use at ambient temperature.

Includes the application for typical household ventilation.

Other operational conditions affecting consumer exposure

(unless otherwise stated)

Room size: 20 m³Covers a skin contact area up to: 6.600 cm²

PC1: Adhesives, sealants

Unless otherwise stated, covers concentrations ≤ 30%; covers use ≤ 1 time/on day of use; covers skin contact area up to 35.73 cm²; for each use event, covers use amounts ≤ 9g; for each use event, covers exposure ≤ 4.00 hr/event

PC1: Adhesives, sealants--Glues DIY-use (carpet glue, tile glue, wood parquet glue)

Unless otherwise stated, covers concentrations up to 30%; covers use up to 1 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 110.00 cm²; for each use event, covers use amounts

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up to 6390g; for each use event, covers exposure up to 6.00 hr/event;

PC1: Glue from spray

Unless otherwise stated, covers concentrations up to 30%; covers use up to 6 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 35.73 cm²; for each use event, covers use amounts up to 85.05g; for each use event, covers exposure up to 4.00hr/event

PC1: Sealants

Unless otherwise stated, covers concentrations up to 30%; covers use up to 1 time/on day of use; covers skin contact area up to 35.73 cm²; for each use event, covers use amounts up to 75g; for each use event, covers exposure up to 1.00hr/event

PC3: Air care, instant action (aerosol sprays)

Unless otherwise stated, covers concentrations up to 50%; covers use up to 4 times/day of use; for each use event, covers use amounts up to 0.1g; covers exposure up to 0.25hr/event

PC3: Air care, continuous action (solid and liquid)

Unless otherwise stated, covers concentrations up to 10%; covers use up to 1 time/on day of use; covers skin contact area up to 35.70 cm²; for each use event, covers use amounts up to 0.48g; for each use event, covers exposure up to 8.00hr/event

PC4: Washing car window

Unless otherwise stated, covers concentrations up to 1%; covers use up to 1 time/on day of use; for each use event, covers use amounts up to 0.5g; Covers use in a one car garage (34m³) under typical ventilation; covers use in room size of 34m³; for each use event, covers exposure up to 0.02hr/event[

PC4: Pouring into radiator

Unless otherwise stated, covers concentrations up to 10%; covers use up to 1 time/on day of use; covers skin contact area up to 428.00 cm²; for each use event, covers use amounts up to 2000g; Covers use in a one car garage (34m³) under typical ventilation; covers use in room size of 34m³; for each use event, covers exposure up to 0.17hr/event

PC4: Lock deicer

Unless otherwise stated, covers concentrations up to 50%; covers use up to 1 time/on day of use; covers skin contact area up to 214.40 cm²; for each use event, covers use amounts up to 4g; Covers use in a one car garage (34m³) under typical ventilation; covers use in room size of 34m³; for each use event, covers exposure up to 0.25hr/event

PC9a: Waterborne latex wall paint

Unless otherwise stated, covers concentrations up to 1.5%; covers use up to 4 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 428.75 cm²; for each use event, covers use amounts up to 2760g; for each use event, covers exposure up to 2.20hr/event

PC9a: Solvent rich, high solid, water borne paint

Unless otherwise stated, covers concentrations up to 27.5%; covers use up to 6 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 428.75 cm²; for each use event, covers use amounts up to 744g; for each use event, covers exposure up to 2.20hr/event

PC9a: Aerosol spray can

Unless otherwise stated, covers concentrations up to 50%; covers use up to 2 days/year; covers use up to 1 time/on day of use; for each use event, covers use amounts up to 215g; Covers use in a one car garage (34m³) under typical ventilation; covers use in room size of 34m³; for each use event, covers exposure up to 0.33hr/event

PC9a: Removers (paint-, glue-, wall paper-, sealantremover)

Unless otherwise stated, covers concentrations up to 50%; covers use up to 3 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 857.50 cm²; for each use event, covers use amounts up to 491g; for each use event, covers exposure up to 2.00hr/event

PC9b: Fillers and putty

Unless otherwise stated, covers concentrations up to 2%; covers use up to 12 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 35.73 cm²; for each use event, covers use amounts up to 85g; for each use event, covers exposure up to 4.00hr/event

PC9b: Plasters and floor equalizers

Unless otherwise stated, covers concentrations up to 2%; covers use up to 12 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 857.50 cm²; for each use event, covers use amounts up to 13800g; for each use event, covers exposure up to 2.00hr/event

PC9b: Modelling clay

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Unless otherwise stated, covers concentrations up to 1%; covers use up to 1 time/on day of use; covers skin contact area up to 254.40 cm²; for each use event, assumes swallowed amount of 1g

PC9c: Finger paints

Unless otherwise stated, covers concentrations up to 50%; covers use up to 1 time/on day of use; covers skin contact area up to 254.40 cm²; for each use event, assumes swallowed amount of 1.35g

PC15: Solvent rich, high solid, water borne paint

Unless otherwise stated, covers concentrations up to 27.5%; covers use up to 6 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 428.75 cm²; for each use event, covers use amounts up to 744g; for each use event, covers exposure up to 2.20hr/event

PC15: Aerosol spray can

Unless otherwise stated, covers concentrations up to 50%; covers use up to 2 days/year; covers use up to 1 time/on day of use; for each use event, covers use amounts up to 215g; Covers use in a one car garage (34m³) under typical ventilation; covers use in room size of 34m³; for each use event, covers exposure up to 0.33hr/event

PC15: Removers (paint-, glue-, wall paper-, sealantremover)

Covers use up to 4 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 468.00 cm²; for each use event, covers use amounts up to 2.200g; Covers use in a one car garage (34m³) under typical ventilation; covers use in room size of 34m³; for each use event, covers exposure up to 0.17hr/event

PC24: Liquids

Unless otherwise stated, covers concentrations up to 20%; covers use up to 10 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 468.00 cm²; for each use event, covers use amounts up to 34g; Covers use in a one car garage (34m³) under typical ventilation; covers use in room size of 34m³; for each use event, covers exposure up to 0.17hr/event

PC24: Pastes

Unless otherwise stated, covers concentrations up to 50%; covers use up to 6 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 428,75 cm²; for each use event, covers use amounts up to 73g; for each use event, covers exposure up to 0.17hr/event

PC24: Sprays

Unless otherwise stated, covers concentrations up to 50%; covers use up to 29 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 430.00 cm²; for each use event, covers use amounts up to 142g; for each use event, covers exposure up to 1.23hr/event

PC31: Polishes, wax / cream (floor, furniture, shoes)

Unless otherwise stated, covers concentrations up to 50%; covers use up to 8 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 430.00 cm²; for each use event, covers use amounts up to 35g; for each use event, covers exposure up to 0.33hr/event

PC31: Polishes, spray (furniture, shoes)

Unless otherwise stated, covers concentrations up to 5%; covers use up to 1 time/on day of use; covers skin contact area up to 857,00 cm²; for each use event, covers use amounts up to 15g; for each use event, covers exposure up to 0.50hr/event

PC35: Laundry and dish washing products

Unless otherwise stated, covers concentrations up to 5%; covers use up to 128 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 857.50 cm²; for each use event, covers use amounts up to 27g; for each use event, covers exposure up to 0.33hr/event

PC35: Cleaners, liquids (all purpose cleaners, sanitary products, floor cleaners, glass cleaners, carpet cleaners, metal cleaners)

Unless otherwise stated, covers concentrations up to 5%; covers use up to 128 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 857.50 cm²; for each use event, covers use amounts up to 27g; for each use event, covers exposure up to 0.33hr/event

Other operational conditions affecting consumer exposure (continuation)

PC35: Cleaners, trigger sprays (all purpose cleaners, sanitary products, glass cleaners)

Unless otherwise stated, covers concentrations up to 15%; covers use up to 128 days/year; covers use up to 1 time/on day of use; covers skin contact area up to 428.00 cm²; for each use event, covers use amounts up to 35g; for each use event, covers exposure up to 0.17hr/event

PC38: NOTE, assessment not in TRA

Unless otherwise stated, covers concentrations up to 20%; covers use up to 1 time/on day of use; for each

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use event, covers use amounts up to 12g; for each use event, covers exposure up to 1.00hr/event

Risk management measures No specific RMMS identified beyond those operation conditions stated.

Worker protection**Technical protective measures**

Ensure good general basic ventilation. Natural ventilation is achieved through doors, windows, etc. Controlled ventilation means the supply or exhaust air by means of an active fan.

Environmental protection measures

On the basis of currently available information on physico-chemical properties, environmental fate behaviour and ecotoxicity, acetone has not to be classified as 'dangerous for the environment' or assessed to be a PBT or vPvB. A risk characterization for the environment, addressing quantitatively all identified uses of the registrant is not required.

However, in order to provide DU with information to assess their local conditions, the ECT tool could be used to perform an environmental risk assessment. It includes predefined scenarios for safe use to address local working conditions of downstream-users, if needed.

ECT-acetone tool based on EUSES.

Air Not applicable

Water Not applicable

Disposal measures

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. If possible, send to be recycled, otherwise burn or deposit in a certified facility.

Exposure estimation**Environment**

As no environmental hazard was identified, an environmentally based exposure assessment and risk characterisation was not performed.

Consumer

If the recommended risk management measures (RMMS) and conditions of use are followed, exposures are not expected to exceed the predicted DNELs and the resulting risk characterisation ratio is < 1.

Guidance for downstream users

Under the conditions listed above, the procedure is considered safe.

Other conditions should only be considered if measurements or appropriate calculations demonstrate that the RCR is < 1.
