

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Revision date 15-Sep-2023

Revision Number 1

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

1.1. Product identifier

Product Code(s) 65914
Safety data sheet number 65914
Product Name GEOCEL PU GUN CLEANER
Pure substance/mixture Mixture

Contains PROPAN-2-OL, ACETONE

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

Recommended use Cleaner

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com
Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Aerosols	Category 1 - (H222, H229)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity — single exposure	Category 3 - (H336)
Category 3 Narcotic effects	

2.2. Label elements

Contains PROPAN-2-OL, ACETONE



Signal word

Danger

Hazard statements

H319 - Causes serious eye irritation
 H336 - May cause drowsiness or dizziness
 H222 - Extremely flammable aerosol
 H229 - Pressurised container: May burst if heated
 EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
 P211 - Do not spray on an open flame or other ignition source
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P312 - Call a POISON CENTER or doctor if you feel unwell
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]
 P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

2.3. Other hazards

Vapours are heavier than air and may travel along the floor and in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
PROPAN-2-OL 67-63-0	=25 - =50	200-661-7 (603-117-00-0)	-	Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	-	-	-
ACETONE 67-64-1	=25 - =50	200-662-2 (606-001-00-8)	-	(EUH066) Flam. Liq. 2 (H225) Eye Irrit. 2 (H319) STOT SE 3 (H336)	-	-	-

Full text of H- and EUH-phrases: see section 16

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person. Place unconscious person on the side in the recovery position and ensure breathing can take place.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, (trained personnel should) give oxygen. Get medical attention immediately if symptoms occur.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Do not use solvents or thinners to dissolve the material. Get medical attention if symptoms occur.
Ingestion	Call a doctor or poison control centre immediately. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. (Get medical attention immediately if symptoms occur).
Self-protection of the first aider	Wear personal protective clothing (see section 8).

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	May adversely affect kidneys, liver, and reproductive system. Accidental ingestion may be harmful to the central nervous system.
Inhalation	May cause respiratory irritation. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.
Eyes	Causes serious eye irritation.
Dermal	Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically. Contact specialist immediately poison treatment if large quantities have been ingested or inhaled.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Alcohol resistant foam. Carbon dioxide (CO ₂). powder.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Burning produces heavy smoke. Hazardous decomposition products.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Cool containers with flooding quantities of water until well after fire is out. Do not allow runoff to sewer, waterway or ground. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions Ensure adequate ventilation. Avoid breathing vapours or mists. Use personal protection recommended in Section 8. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Use non sparking handtools and explosion-proof electric equipment.

For emergency responders Evacuate personnel to safe areas. See Section 8 for information on appropriate personal protective equipment.

6.2. Environmental precautions

Environmental precautions Do not allow runoff to sewer, waterway or ground. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Methods for containment Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up Detergent.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling Ensure adequate ventilation. Vapours may form explosive mixtures with air. Eliminate all ignition sources if safe to do so. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Wear protective gloves/protective clothing and eye/face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin, eyes and inhalation of vapours. Avoid eating, drinking and smoking when using the product. Use personal protection recommended in Section 8. Keep only in original container. Take precautionary measures against static discharge. Use spark-proof tools and explosion-proof equipment.

General hygiene considerations Wash hands and face before breaks and immediately after handling the product. When using do not eat, drink or smoke. Take off all contaminated clothing and wash it before reuse. Ensure that eyewash stations and safety showers are close to the workstation location. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store in accordance with local regulations. Avoid contact with acids and oxidising substances. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat, sparks and open flame. Cylinders should be stored upright with valve protection cap in place and firmly secured to prevent falling. Incompatible with oxidising agents. Incompatible with strong acids and bases. Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals.

7.3. Specific end use(s)

Specific use(s)

See section 1 for more information.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	United Kingdom
PROPAN-2-OL 67-63-0	TWA: 400 ppm TWA: 999 mg/m ³ STEL: 500 ppm STEL: 1250 mg/m ³
ACETONE 67-64-1	TWA: 500 ppm TWA: 1210 mg/m ³ STEL: 1500 ppm STEL: 3620 mg/m ³

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Information on monitoring procedures

Refer to European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) or equivalent national standard(s). Refer to European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) or equivalent national standard(s). Refer to European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) or equivalent national standard(s).

Derived No Effect Level (DNEL) - Workers

Chemical name	Oral	Dermal	Inhalation
ACETONE 67-64-1		186 mg/kg bw/day [4] [6]	1210 mg/m ³ [4] [6] 2420 mg/m ³ [5] [7]

[4]	Systemic health effects.
[5]	Local health effects.
[6]	Long term.
[7]	Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
ACETONE 67-64-1	62 mg/kg bw/day [4] [6]	62 mg/kg/bw/day [4] [6]	200 mg/m ³ [4] [6]

[4]	Systemic health effects.
[6]	Long term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
ACETONE 67-64-1	10.6 mg/L	21 mg/L	1.06 mg/L		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
ACETONE 67-64-1	30.4 mg/kg sediment dw	3.04 mg/kg sediment dw	19.5 mg/L	29.5 mg/kg soil dw	

8.2. Exposure controls

Engineering controls	Ensure adequate ventilation. Local and General Ventilation. Respiratory protection must be used if air contamination exceeds acceptable level. Use non sparking handtools and explosion-proof electric equipment.
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Personal protective equipment

Eye/face protection	Use eye protection according to EN 166. Wear safety glasses with side shields (or goggles).
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Hand protection	Wear suitable gloves. Gloves must conform to standard EN 374.
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Gloves			
Duration of contact	PPE - Glove material	Glove thickness	Break through time
Short term	Wear protective nitrile rubber gloves Polyvinyl alcohol (PVA)	0.7 mm	4 hours
Long term (repeated)	Polyethylene (PE)		>8 hours

Skin and body protection	Antistatic footwear. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
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Respiratory protection	Use appropriate respiratory protection.
Wear self-contained breathing apparatus. Type AP2.	

General hygiene considerations	Wash hands and face before breaks and immediately after handling the product. When using do not eat, drink or smoke. Take off all contaminated clothing and wash it before
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reuse. Ensure that eyewash stations and safety showers are close to the workstation location. Remove contaminated clothing and protective equipment before entering eating areas.

Environmental exposure controls Keep out of drains, sewers, ditches and waterways.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Aerosol
Colour	Colourless
Odour	Characteristic.
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point		No information available
Initial boiling point and boiling range	-43 - 83 °C	No information available
Flammability		No information available
Flammability Limit in Air		No information available
Upper flammability or explosive limits	12.8%	
Lower flammability or explosive limits	1.8%	
Flash point	-28.9 °C	Closed cup
Autoignition temperature		No information available
Decomposition temperature		No information available
pH		No information available
pH (as aqueous solution)		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Water solubility		No information available
Solubility(ies)		No information available
Partition coefficient		No information available
Vapour pressure	101.3 kPa	@ 20 °C
Relative density	0.7145	No information available
Bulk density		
No information available		Relative vapour density
No information available		Particle characteristics
		Particle Size
		Particle Size
		Distribution
Explosive properties	No information available	
Oxidising properties	No information available	

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under recommended storage conditions. See section 7 for more information.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Excessive heat. Take precautionary measures against static discharges. Keep away from heat, sparks and open flame.

10.5. Incompatible materials

Incompatible materials Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness, cessation of breathing.

Eye contact Causes serious eye damage.

Skin contact Prolonged skin contact may defat the skin and produce dermatitis.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

No information available

The following values are calculated based on chapter 3.1 of the GHS document

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
PROPAN-2-OL	= 5000 mg/kg (Rat)	> 12800 mg/kg (Rabbit)	> 10000 ppm (Rat) 6 h
ACETONE	= 5800 mg/kg (Rat)	> 15800 mg/kg (Rabbit)	= 76 mg/l (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

PROPAN-2-OL (67-63-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Dermal	500 milligrams		Mild skin irritant

ACETONE (67-64-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Guinea pig				non-irritant Repeated exposure may cause skin dryness or cracking

Serious eye damage/eye irritation No information available.

PROPAN-2-OL (67-63-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	eye	100 milligrams	24 hours	Moderate eye irritation
	Rabbit	eye	10 milligrams		Moderate eye irritation
	Rabbit	eye	100 milligrams		Severe eye irritation

ACETONE (67-64-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye			Causes serious eye irritation

Respiratory or skin sensitisation No information available.

ACETONE (67-64-1)

Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitisation	Guinea pig		Not a skin sensitiser

Germ cell mutagenicity No information available.

Component Information

ACETONE (67-64-1)

Method	Species	Results
OECD Test No. 476: In vitro Mammalian Cell Gene Mutation Test	Mouse	Negative
OECD Test No. 471: Bacterial Reverse Mutation Test		Negative
OECD Test No. 473: In vitro Mammalian Chromosome Aberration Test	in vitro	Negative

Carcinogenicity No information available.

Component Information

ACETONE (67-64-1)

Method	Species	Results
	Mouse	Negative

Reproductive toxicity No information available.

ACETONE (67-64-1)

Method	Species	Results
OECD Test No. 414: Pre-natal Development Toxicity Study	Rat	Negative

STOT - single exposure No information available.

PROPAN-2-OL (67-63-0)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					Narcotic effects

ACETONE (67-64-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
					May cause drowsiness or dizziness

STOT - repeated exposure No information available.

ACETONE (67-64-1)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD 408	Rat		900 mg/kg		

Aspiration hazard No information available.

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The environmental impact of this product has not been fully investigated.

PROPAN-2-OL (67-63-0)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Daphnia magna	EC50	10100 mg/L	48 hours	Acute aquatic toxicity
	Crustacea	LC50	1400000 to 1950000 µg/l	48 hours	Acute aquatic toxicity
	Fish	LC50	4200 mg/L	96 hours	Acute aquatic toxicity

ACETONE (67-64-1)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
	Oncorhynchus mykiss (rainbow trout)	LC50	5540 mg/L	96 hours	
	Leuciscus idus	LC50	7500 mg/L	96 hours	
	Lepomis macrochirus	LC50	8300 mg/L	96 hours	
	Lepomis macrochirus	EC50	8300 mg/L	96 hours	
OECD Test No. 211: Daphnia magna	Daphnia pulex	NOEC	2212 mg/L	28 days	

Reproduction Test					
	Daphnia magna	EC50	6100-12700 mg/L	48 hours	
OECD Test No. 202: Daphnia sp., Acute Immobilisation Test	Daphnia pulex	EC50	8800 mg/L	48 hours	
	Pseudokirchneriella subcapitata	EC50	4740 mg/L	48 hours	
	Pseudokirchneriella subcapitata	NOEC	3400 mg/L	48 hours	
	Algae	NOEC	530 mg/L	8 days	
OECD Test No. 209: Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation)	activated sludge	EC10	1000 mg/L	0.5 hours	
	Pseudomonas putida		1700 mg/L	16 hours	

12.2. Persistence and degradability

Persistence and degradability No information available.

ACETONE (67-64-1)

Method	Exposure time	Value	Results
OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D)	30 days	81-92% Biodegradation	Readily biodegradable
OECD Test No. 301A: Ready Biodegradability: DOC Die-Away Test (TG 301 A)	28 days	91% Biodegradation	Readily biodegradable
OECD Test No. 301B: Ready Biodegradability: CO2 Evolution Test (TG 301 B)	28 days	91% Biodegradation	Readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Chemical name	Partition coefficient
PROPAN-2-OL	0.05
ACETONE	-0.24

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
PROPAN-2-OL	The substance is not PBT / vPvB PBT assessment does not apply
ACETONE	The substance is not PBT / vPvB

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products	Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Avoid release to the environment. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
Contaminated packaging	Do not reuse empty containers.
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information**IATA**

14.1 UN number or ID number	UN1950
14.2 UN proper shipping name	AEROSOLS, FLAMMABLE, (Acetone, 2-Propanol)
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	A145, A167, A802
ERG Code	10L

IMDG

14.1 UN number or ID number	UN1950
UN proper shipping name	AEROSOLS, (Acetone, 2-Propanol)
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	63,190, 277, 327, 344, 381, 959
EmS-No	F-D, S-U
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	UN1950
14.2 UN proper shipping name	AEROSOLS, (Acetone, 2-Propanol)
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	190, 327, 344, 625
Classification code	5F

ADR

14.1 UN number or ID number	UN1950
14.2 UN proper shipping name	AEROSOLS, (Acetone, 2-Propanol)
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
14.5 Environmental hazards	No
14.6 Special precautions for user	
Special Provisions	190, 327, 344, 625
Classification code	5F

Tunnel restriction code (D)

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

This product does not contain substances subject to restriction (UK REACH - Annex XVII).

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Dangerous substance category per COMAH Regulations 2015 (as amended)

P3a - FLAMMABLE AEROSOLS

P3b - FLAMMABLE AEROSOLS

Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Chemical name	The Biocidal Products Regulations 2001 (as amended)
PROPAN-2-OL - 67-63-0	Product-type 2: Disinfectants and algicides not intended for direct application to humans or animals Product-type 4: Food and feed area Product-type 1: Human hygiene

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Chemical name	Poisons and Explosive Precursors
ACETONE	Explosive precursor, Reportable

International Inventories

TSCA

Contact supplier for inventory compliance status

DSL/NDL

Contact supplier for inventory compliance status

EINECS/ELINCS

Contact supplier for inventory compliance status

ENCS

Contact supplier for inventory compliance status

IECSC

Contact supplier for inventory compliance status

KECL

Contact supplier for inventory compliance status

PICCS

Contact supplier for inventory compliance status

AIC

Contact supplier for inventory compliance status

NZIoC

Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking
 H225 - Highly flammable liquid and vapour
 H319 - Causes serious eye irritation
 H336 - May cause drowsiness or dizziness

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Revision Note ***Indicates updated data since last publication

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)

EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Prepared By Amy Whitfield

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**This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet