SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 11-Jan-2021 **Revision Date** 11-Jan-2021 **Revision Number** 1

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

1.1. Product identifier

Product Name One Shot Instant Drain Cleaner

Contains Sulphuric acid 91%

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

Recommended use Drain cleaner

Uses advised against Use only for intended applications

1.3. Details of the supplier of the safety data sheet

Supplier
One Shot Products
Unit 16c
Bergen Way
Suttonfields Industrial Estate
Hull
HU7 0YQ
Tel: +44(0) 1482 830 952

For further information, please contact
E-mail address oneshotproducts@hotmail.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 1482 830 952 (Monday - Friday 09:00 - 17:00)

Emergency telephone - §45 - (EC)1272/2008	
Europe	**112**

SECTION 2: Hazards identification

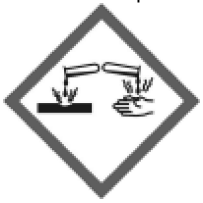
2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 1 Sub-category A - (H314)
Serious eye damage/eye irritation	Category 1 - (H318)
Corrosive to metals	Category 1 - (H290)

2.2. Label elements

Contains Sulphuric acid 91%



Signal word

Danger

Hazard statements
H314 - Causes severe skin burns and eye damage
H290 - May be corrosive to metals

Precautionary Statements - EU (§28, 1272/2008)
P102 - Keep out of reach of children
P260 - Do not breathe mist/vapours/spray
P280 - Wear protective gloves and eye/face protection
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor/physician
P501 - Dispose of contents/ container in accordance with national regulations

Additional information
This product requires tactile warnings if supplied to the general public This product requires child resistant fastenings if supplied to the general public

2.3. Other hazards
The product does not contain any substance(s) classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Sulphuric acid 7664-93-9	91	01-2119458838-20-XXXX	231-639-5	Skin Corr. 1A (H314) Eye Dam. 1 (H318) Met. Corr. 1 (H290)	Eye Irrit. 2 :: 5%<=C<15% Skin Corr. 1A :: C>=15% Skin Irrit. 2 :: 5%<=C<15%	-	-

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

Acute Toxicity Estimate
If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Sulphuric acid 7664-93-9	2140	No data available	0.375	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Keep out of reach of children. If symptoms persist, call a doctor. Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Get medical attention. Do not rub affected area.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention.

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get medical attention.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

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

Symptoms Burning. Serious eye damage/eye irritation. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation.

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

Note to doctors Product is a corrosive material. Use of gastric lavage or emesis is contra-indicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing agent suitable for type of surrounding fire. Foam. Dry chemical or CO2.

Unsuitable extinguishing media Do not use water, if avoidable.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Reacts violently with water. Thermal decomposition can lead to release of irritating gases and vapours. Containers may explode when heated. The product causes burns of eyes, skin and mucous membranes.

5.3. Advice for firefighters

Specific/special fire-fighting measures	Evacuate area. Avoid breathing vapours. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Move containers from fire area if you can do it without risk.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Attention! Corrosive material. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. See section 8 for more information. Avoid breathing vapours or mists. Ensure adequate ventilation. Evacuate personnel to safe areas.
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Refer to protective measures listed in Sections 7 and 8.

6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so. 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	Do not direct water at spill or source of leak. Use personal protective equipment as required. Neutralise with soda ash (sodium carbonate) or lime over area of spill. Cover liquid spill with sand, earth or other noncombustible absorbent material. Keep in suitable, closed containers for disposal. Large spill: Following dilution and neutralisation, discharge to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer.
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	Handle in accordance with good industrial hygiene and safety practice. See section 8 for more information. Handle all packages and containers carefully to minimise spills. Do not touch damaged packages or spilled material. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment.
General hygiene considerations	Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep out of the reach of children. Keep/store only in original container. Keep in properly

labelled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep container upright. Protect from moisture. Store away from incompatible materials.

7.3. Specific end use(s)

Specific use(s).
The identified uses for this product are detailed in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits .

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Sulphuric acid 7664-93-9	TWA: 0.05 mg/m³	TWA: 0.1 mg/m³ STEL 0.2 mg/m³	TWA: 0.2 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Sulphuric acid 7664-93-9	TWA: 0.05 mg/m³	TWA: 1 mg/m³ TWA: 0.05 mg/m³ Ceiling: 2 mg/m³	TWA: 0.05 mg/m³	TWA: 0.5 mg/m³	TWA: 0.05 mg/m³ STEL: 0.1 mg/m³
Chemical name	France	Germany	Germany MAK	Greece	Hungary
Sulphuric acid 7664-93-9	TWA: 0.05 mg/m³	TWA: 0.1 mg/m³	TWA: 0.1 mg/m³ Peak: 0.1 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Sulphuric acid 7664-93-9	TWA: 0.05 ppm STEL: 0.15 ppm	TWA: 0.05 mg/m³	TWA: 0.2 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³ STEL: 3 mg/m³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Sulphuric acid 7664-93-9	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³	TWA: 0.1 mg/m³ STEL: 0.3 mg/m³	TWA: 0.05 mg/m³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Sulphuric acid 7664-93-9	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³	TWA: 0.05 mg/m³ STEL: STEL mg/m³	TWA: 0.05 mg/m³

Chemical name	Sweden	Switzerland	United Kingdom
Sulphuric acid 7664-93-9	NGV: 0.1 mg/m³ Vägledande KGV: 0.2 mg/m³	TWA: 0.1 mg/m³ STEL: 0.2 mg/m³	TWA: 0.05 mg/m³ STEL: 0.15 mg/m³

Derived No Effect Level (DNEL) No information available.

Sulphuric acid (7664-93-9)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Worker Long term Local health effects	Inhalation	0.05 mg/m³	-
Worker Short term Local health effects	Inhalation	0.1 mg/m³	-

Predicted No Effect Concentration (PNEC) No information available.

Sulphuric acid (7664-93-9)

Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.003 mg/l
Marine water	0 mg/l
Microorganisms in sewage treatment	8.8 mg/l
Freshwater sediment	0.002 mg/kg dry weight
Marine sediment	0.002 mg/kg dry weight

8.2. Exposure controls

Engineering controls Showers
Eyewash stations

	Ventilation systems.
Personal protective equipment	
Eye/face protection	Tight sealing safety goggles. Eye protection must conform to standard EN 166. Face protection shield.
Hand protection	Wear suitable gloves. Butyl rubber. Viton™. Neoprene gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Gloves must conform to standard EN 374.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Gas/vapour filter, type E: sulphur dioxide and other acid gases (EN141).
General hygiene considerations	Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace.
Environmental exposure controls	Large spill: Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Physical state	Liquid
Colour	purple
Odour	Odourless
Odour threshold	No information available

Property	**Values**	**Remarks • Method**
Melting point / freezing point	No data available	None known
Initial boiling point and boiling range	>100°C at 760 mm Hg	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature		None known
pH	<1	None known
pH (as aqueous solution)	No data available	No information available
Kinematic viscosity	No data available	None known
Dynamic viscosity	22.5 mPa s at 20°C	None known
Water solubility	Soluble in water	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapour pressure	~6 Pa at 20°C	None known
Relative density	1.81-1.83 kg/L at 20°C	None known
Bulk density	No data available	
Liquid Density	No data available	
Vapour density	No data available	None known

Particle characteristics

Particle Size	No information available
Particle Size Distribution	No information available

9.2. Other information

9.2.1. Information with regards to physical hazard classes
No information available

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact	None.
Sensitivity to static discharge	None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Reacts with water. Contact with metals may evolve flammable hydrogen gas. May be corrosive to metals.

10.4. Conditions to avoid

Conditions to avoid Humidity.

10.5. Incompatible materials

Incompatible materials Water. Alkali. Metals. Oxidising agent. Hypochlorites.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Decomposition products on contact with water or moisture. Thermal decomposition can lead to release of toxic/corrosive gases and vapours. Sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information .

Inhalation Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye damage. (based on components). May cause irreversible damage to eyes.

Skin contact Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns.

Ingestion Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause lung damage if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Burning. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate.

Numerical measures of toxicity

.

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

ATEmix (oral) 2,351.60 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sulphuric acid	= 2140 mg/kg (Rat)	-	= 0.375 mg/L (Rat) 4 h

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

Skin corrosion/irritation Classification based on data available for ingredients. Causes burns.

Serious eye damage/eye irritation Classification based on data available for ingredients. Risk of serious damage to eyes. Causes burns.

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.

Component Information	
Sulphuric acid (7664-93-9)	
Method	OECD 414
Species	Rabbit
Results	NOAEC: 19.3 mg/m³

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Component Information	
Sulphuric acid (7664-93-9)	
Method	OECD Test No. 412: Sub-acute Inhalation Toxicity: 28-Day Study
Species	Rat
Exposure route	Inhalation
Effective dose	0.00, 0.2, 1.0, 5.0 mg/m³
Exposure time	6 hours/day; 5days/week for 5 or 28 days
Results	LOAEC: 0.3 mg/m³

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Based on available data, the classification criteria are not met. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sulphuric acid	NOEC: >100 mg/L (72h, Desmodesmus subspicatus)	LC50: > 16 - < 28 mg/L (96h, Lepomis macrochirus)	NOEC: 26-30 g/L	EC50: >100 mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability The methods for determining biodegradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in soil No information available.

Mobility Soluble in water.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment .

Chemical name	PBT and vPvB assessment
Sulphuric acid	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects

Other adverse effects None known based on information supplied.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	This material and its container must be disposed of as hazardous waste. Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers retain product residue, follow label warnings even after container is emptied.
Waste codes / waste designations according to EWC / AVV	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

IMDG

14.1 UN number or ID number	UN1830
14.2 UN proper shipping name	SULPHURIC ACID
14.3 Transport hazard class(es)	8
14.4 Packing group	II
Description	UN1830, SULPHURIC ACID, 8, II
14.5 Environmental hazards	Not applicable
Marine pollutant	NP
14.6 Special Precautions for Users	
Special Provisions	None
EmS-No	F-A, S-B
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number	UN1830
14.2 UN proper shipping name	SULPHURIC ACID
14.3 Transport hazard class(es)	8
Labels	8
14.4 Packing group	II
Description	UN1830, SULPHURIC ACID, 8, II
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None
Classification code	C1

ADR

14.1 UN number or ID number	UN1830
14.2 UN proper shipping name	SULPHURIC ACID
14.3 Transport hazard class(es)	8
Labels	8
14.4 Packing group	II
Description	UN1830, SULPHURIC ACID, 8, II
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None
Classification code	C1
Tunnel restriction code	(E)

IATA

14.1 UN number or ID number	UN1830
14.2 UN proper shipping name	SULPHURIC ACID
14.3 Transport hazard class(es)	8
14.4 Packing group	II

Description	UN1830, SULPHURIC ACID, 8, II
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None
ERG Code	8L
Note:	None

SECTION 15: Regulatory information

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

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Carcinogens	Netherlands - List of Reproductive Toxins
Sulphuric acid	Present	-	-

European Union

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.

Authorisations and/or restrictions on use:
This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV). This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	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
AICS	Contact supplier for inventory compliance status

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - 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
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

Chemical Safety Report Not applicable

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
H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage

Legend
SVHC: Substances of Very High Concern for Authorisation:

PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
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)
Japan GHS Classification
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 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

Issuing Date	11-Jan-2021
Revision Date	11-Jan-2021
Revision Note	Initial Release.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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