

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 SDS Reference Number: 03081 Issue date: 7/8/2024 Revision date: 7/8/2024 Supersedes version of: 5/24/2016 Version: 1.0

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

1.1. Product identifier

Product form	: Substance
Trade name	: CUPRIC SULPHATE ANHYDROUS EXTRA PURE
EC Index-No.	: 029-004-00-0
EC-No.	: 231-847-6
CAS-No.	: 7758-98-7
Product code	: 03081
Type of product Formula	: Inorganic compound : CuSO4
Chemical structure	2 CUSO4
	$Cu^{2+} \begin{bmatrix} \vdots & \vdots \\ \vdots & \vdots \\ 0 = S = 0 \\ \vdots & \vdots \\ \vdots & 0 \end{bmatrix}$
Synonyms	: Copper (II) sulphate Anhydrous
1.2. Relevant identified uses of the substa	ance or mixture and uses advised against
Relevant identified uses	
Industrial/Professional use spec	: Industrial
	For professional use only
Use of the substance/mixture	: Laboratory chemicals
	Manufacture of substances
1.3. Details of the supplier of the safety d	ata sheet
LOBA CHEMIE PVT.LTD.	
107 Wode House Road, Jehangir Villa, Colaba	
400005 Mumbai	
INDIA	
T +91 22 6663 6663, F +91 22 6663 6699	
info@lobachemie.com, www.lobachemie.com	

1.4. Emergency telephone number

Emergency number

: + 91 22 6663 6663 (9:00am - 6:00 pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008	[CLP]
Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Hazardous to the aquatic environment – Acute Hazard,	H400
Category 1	
Hazardous to the aquatic environment – Chronic Hazard,	H410
Category 1	
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

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2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS07 GHS09 Signal word (CLP) : Warning Hazard statements (CLP) : H302 - Harmful if swallowed. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H410 - Very toxic to aquatic life with long lasting effects. Precautionary statements (CLP) : P264 - Wash hands, forearms and face thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective clothing, eye protection, face protection, protective gloves. P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of 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.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients 3.1. Substances Substance type : Mono-constituent Name Product identifier %

SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation	 Call a poison center or a doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Wash with plenty of water/ Wash contaminated clothing before reuse. Get medical advice/attention. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	 Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.
First-aid measures for first aider	: First aid workers will be equipped with suitable personal protective equipment.
4.2. Most important symptoms and effect	s, both acute and delayed
Symptoms/effects after inhalation	: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: Causes skin irritation. Irritation.

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Symptoms/effects after eye contact	
Symptoms/effects after ingestion	

Causes serious eye irritation. Eye irritation.Harmful if swallowed.

Symptoms/effects after ingestion : Harmful if swallowed.

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

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	Carbon dioxide. Dry powder. Foam. Water spray.Do not use a heavy water stream.
5.2. Special hazards arising from the subst	ance or mixture
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	 No fire hazard. No direct explosion hazard. Toxic fumes may be released.
5.3. Advice for firefighters	
Firefighting instructions Protection during firefighting	 Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protectiv	e equipment and emergency procedures	
General measures	: Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.	
For non-emergency personnel		
Protective equipment Emergency procedures	Wear recommended personal protective equipment.Ventilate spillage area. Evacuate unnecessary personnel. Avoid contact with skin and eyes.	
For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Ventilate area. Evacuate unnecessary personnel.	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for conta	inment and cleaning up	

For containment Methods for cleaning up	 Collect spillage. Mechanically recover the product. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

For further information refer to section 13.

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed Precautions for safe handling Hygiene measures	 Not expected to present a significant hazard under anticipated conditions of normal use. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Always wash hands after handling the product.
7.2. Conditions for safe storage, inclu	ding any incompatibilities
Technical measures Storage conditions Packaging materials	 Keep in a cool, well-ventilated place away from heat. Store in a well-ventilated place. Keep container tightly closed. Store always product in container of same material as original container.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment. **Personal protective equipment symbol(s):**



Eye and face protection

Eye protection: Chemical goggles or safety glasses

Skin protection

Skin and body protection: Wear a mask

Hand protection: Protective gloves

Respiratory protection

Respiratory protection: Wear appropriate mask

Environmental exposure controls

Environmental exposure controls: Avoid release to the environment.

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SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and ch	emical properties	
Physical state	: Solid	
Colour	: White to off white. White to greyish white.	
Appearance	: Powder.	
Molecular mass	: 159.6 g/mol	
Odour	: Odourless.	
Odour threshold	: Not available	
Melting point	: 590 °C	
Freezing point	: Not applicable	
Boiling point	Not available	
Flammability	: Not available	
Lower explosion limit	: Not applicable	
Upper explosion limit	: Not applicable	
Flash point	: Not applicable	
Auto-ignition temperature	: Not applicable	
Decomposition temperature	: 650 °C	
pH	: 3.5 – 4.5 at 20 °C	
pH solution concentration	: 5%	
Viscosity, kinematic	: Not applicable	
Solubility	: Water: 201 g/ml at 20 °C - Soluble	
	Ethanol: Insoluble	
Partition coefficient n-octanol/water (Log Kow)	: Not available	
Vapour pressure	: 9.7 hPa at 25 °C	
Vapour pressure at 50°C	: Not available	
Density	: 3.6 g/cm³ at 25 °C	
Relative density	: Not available	
Relative vapour density at 20°C	: Not applicable	
Particle size	: Not available	

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Air contact. Direct sunlight. Moisture.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information	1
11.1. Information on hazard classes as defi	ined in Regulation (EC) No 1272/2008
Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes skin irritation. pH: 3.5 – 4.5 at 20 °C
Serious eye damage/irritation	: Causes serious eye irritation.
	pH: 3.5 – 4.5 at 20 °C
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure STOT-repeated exposure	: Not classified : Not classified
Aspiration hazard	: Not classified
CUPRIC SULPHATE ANHYDROUS EXTRA	
Viscosity, kinematic	Not applicable
11.2. Information on other hazards	
Other information	. Hormful if availated
Potential adverse human health effects and symptoms	: Harmful if swallowed.
-)	
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: Very toxic to aquatic life with long lasting effects.
Ecology - general Ecology - water	: Very toxic to aquatic life with long lasting effects.
Ecology - general Ecology - water Hazardous to the aquatic environment, short–term	
Ecology - general Ecology - water	: Very toxic to aquatic life with long lasting effects.
Ecology - general Ecology - water Hazardous to the aquatic environment, short–term (acute)	Very toxic to aquatic life with long lasting effects.Very toxic to aquatic life.
Ecology - general Ecology - water Hazardous to the aquatic environment, short–term (acute) Hazardous to the aquatic environment, long–term	Very toxic to aquatic life with long lasting effects.Very toxic to aquatic life.
Ecology - general Ecology - water Hazardous to the aquatic environment, short–term (acute) Hazardous to the aquatic environment, long–term (chronic)	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Ecology - general Ecology - water Hazardous to the aquatic environment, short–term (acute) Hazardous to the aquatic environment, long–term (chronic) 12.2. Persistence and degradability	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Ecology - general Ecology - water Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) 12.2. Persistence and degradability CUPRIC SULPHATE ANHYDROUS EXTRA	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. PURE (7758-98-7)
Ecology - general Ecology - water Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) 12.2. Persistence and degradability CUPRIC SULPHATE ANHYDROUS EXTRA Persistence and degradability	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. PURE (7758-98-7)
Ecology - general Ecology - water Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) 12.2. Persistence and degradability CUPRIC SULPHATE ANHYDROUS EXTRA Persistence and degradability 12.3. Bioaccumulative potential	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. PURE (7758-98-7)
Ecology - general Ecology - water Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) 12.2. Persistence and degradability CUPRIC SULPHATE ANHYDROUS EXTRA Persistence and degradability 12.3. Bioaccumulative potential No additional information available	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. PURE (7758-98-7)
Ecology - general Ecology - water Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) 12.2. Persistence and degradability CUPRIC SULPHATE ANHYDROUS EXTRA Persistence and degradability 12.3. Bioaccumulative potential No additional information available 12.4. Mobility in soil	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. PURE (7758-98-7) Rapidly degradable
Ecology - general Ecology - water Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) 12.2. Persistence and degradability CUPRIC SULPHATE ANHYDROUS EXTRA Persistence and degradability 12.3. Bioaccumulative potential No additional information available 12.4. Mobility in soil No additional information available	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. PURE (7758-98-7) Rapidly degradable
Ecology - general Ecology - water Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) 12.2. Persistence and degradability CUPRIC SULPHATE ANHYDROUS EXTRA Persistence and degradability 12.3. Bioaccumulative potential No additional information available 12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPvB assessment	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. PURE (7758-98-7) Rapidly degradable
Ecology - general Ecology - water Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) 12.2. Persistence and degradability CUPRIC SULPHATE ANHYDROUS EXTRA Persistence and degradability 12.3. Bioaccumulative potential No additional information available 12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPvB assessment No additional information available	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. PURE (7758-98-7) Rapidly degradable
Ecology - general Ecology - water Hazardous to the aquatic environment, short-term (acute) Hazardous to the aquatic environment, long-term (chronic) 12.2. Persistence and degradability CUPRIC SULPHATE ANHYDROUS EXTRA Persistence and degradability 12.3. Bioaccumulative potential No additional information available 12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPvB assessment No additional information available 12.6. Endocrine disrupting properties	 Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. PURE (7758-98-7) Rapidly degradable

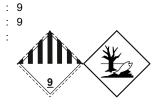
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SECTION 13: Disposal considerations	3
13.1. Waste treatment methods	
Regional waste regulation Waste treatment methods Sewage disposal recommendations Product/Packaging disposal recommendations Additional information	 Disposal must be done according to official regulations. Dispose of contents/container in accordance with licensed collector's sorting instructions. Disposal must be done according to official regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Disposal must be done according to official regulations. Do not re-use empty containers.
SECTION 14: Transport information	
In accordance with ADR / IMDG / IATA / ADN / RID	
14.1. UN number or ID number	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA) UN-No. (ADN) UN-No. (RID)	 : UN 3077
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Proper Shipping Name (ADN) Proper Shipping Name (RID) Transport document description (ADR) Transport document description (IMDG) Transport document description (IATA) Transport document description (ADN) Transport document description (RID)	 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CUPRIC SULPHATE ANHYDROUS), 9, III, (-) UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, MARINE POLLUTANT UN 3077 Environmentally hazardous substance, solid, n.o.s. (CUPRIC SULPHATE ANHYDROUS), 9, III UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III

ADR

Transport hazard class(es) (ADR) Danger labels (ADR)



IMDG

Transport hazard class(es) (IMDG) Danger labels (IMDG)

ΙΑΤΑ
Transport hazard class(es) (IATA)
Danger labels (IATA)

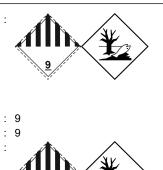
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ADN

RID Transport hazard class(es) (RID) Danger labels (RID)

Transport hazard class(es) (ADN)

Danger labels (ADN)



14.4. Packing group	
Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	: III : III : III : III
14.5. Environmental hazards	
Dangerous for the environment Marine pollutant EmS-No. (Fire) EmS-No. (Spillage) Other information	 Yes Yes F-A S-F No supplementary information available
14.6. Special precautions for user	
Overland transport Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Special packing provisions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) Portable tank and bulk container instructions (ADR) Portable tank and bulk container special provisions (ADR) Tank code (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - Packages (ADR) Special provisions for carriage - Bulk (ADR) Special provisions for carriage - Loading, unloading and handling (ADR) Hazard identification number (Kemler No.)	 M7 274, 335, 375, 601 5kg E1 P002, IBC08, LP02, R001 PP12, B3 MP10 T1, BK1, BK2, BK3 TP33 SGAV, LGBV AT 3 V13 VC1, VC2 CV13 90

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Tunnel restriction code (ADR)	: -
EAC code	: 2Z
Transport by sea	
Special provisions (IMDG)	: 274, 335, 966, 967, 969
	: 5 kg
	: E1
Packing instructions (IMDG)	: LP02, P002
	: PP12
IBC packing instructions (IMDG)	: IBC08
IBC special provisions (IMDG)	: B3
Tank instructions (IMDG)	: BK1, BK2, BK3, T1
Tank special provisions (IMDG)	: TP33
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW23
MFAG-No	: 171
Air transport	
	: E1
PCA Limited quantities (IATA)	: Y956
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 956
PCA max net quantity (IATA)	: 400kg
CAO packing instructions (IATA)	: 956
	: 400kg
	: A97, A158, A179, A197, A215
	: 9L
ERG code (IATA)	. 9L
Inland waterway transport	
Classification code (ADN)	: M7
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 kg
	: E1
	: T* B**
51 ()	
	: PP, A
ö ()	
Additional requirements/Remarks (ADN)	: * Only in the molten state. ** For carriage in bulk see also 7.1.4.1. *** Only in the case of
	transport in bulk.
Rail transport	
Classification code (RID)	: M7
Special provisions (RID)	274, 335, 375, 601
Limited quantities (RID)	5kg
	•
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P002, IBC08, LP02, R001
Special packing provisions (RID)	: PP12, B3
Mixed packing provisions (RID)	: MP10
Portable tank and bulk container instructions (RID)	: T1, BK1, BK2, BK3
Portable tank and bulk container special provisions	: TP33
(RID)	
Tank codes for RID tanks (RID)	: SGAV, LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W13
Special provisions for carriage – Bulk (RID)	: VC1, VC2
Special provisions for carriage - Loading, unloading	: CW13, CW31
and handling (RID)	· CE11
Colis express (express parcels) (RID)	: CE11
Hazard identification number (RID)	: 90
14.7 Maritimo transport in bulk according to	

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

Germany

Water hazard class (WGK) Hazardous Incident Ordinance (12. BImSchV)	/GK 3, Highly hazardous to water (Classification accordi s not subject to the Hazardous Incident Ordinance (12. E	o ,
Netherlands		
SZW-lijst van kankerverwekkende stoffen	he substance is not listed	
SZW-lijst van mutagene stoffen	he substance is not listed	
SZW-lijst van reprotoxische stoffen – Borstvoeding	he substance is not listed	
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	he substance is not listed	
SZW-lijst van reprotoxische stoffen – Ontwikkeling	he substance is not listed	
Denmark		
Danish National Regulations	oung people below the age of 18 years are not allowed	o use the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate

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Abbreviations and acronyms:	
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.

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Full text of H- and EUH-statements:	
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.