Electro Seal

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
First edition: 20/04/2015 Last revision: 20/12/2022 Supersedes version of: 18/07/2018 Version: 1.2

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

1.1. Product identifier

Product form : Mixture

Name : Electro Seal

Product number : 07.1600.0155

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

1.2.1. Relevant identified uses

Use of the substance or preparation : Liquid seal for optimal insulation and protection of electrical components.

1.2.2. Uses advised against

No information available

1.3. Details of the supplier of the safety data sheet

PCS Innotec International NV
Schans 4
BE - 2480 Dessel
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F.: +32 (0) 14 32 60 12
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Distributor:
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Telford RD
UK - SP2 7GL Salisbury, Wiltshire
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1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):
BIG : +32 (0) 14 58 45 45

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) no 1272/2008 (CLP)

Flam. Liq. 2	H225
STOT SE 3	H336
Aquatic Chronic 2	H411

Full text of hazard classes, H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis. Has a narcotizing effect.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS02 GHS07 GHS09

Signal word (CLP) : Danger

Contains : Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approxi mately 73°C to 85°C (163 °F to 185 °F).]

Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour. H336 - May cause drowsiness or dizziness. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing vapours. P273 - Avoid release to the environment. 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/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER, a doctor if you feel unwell.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

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

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approxi mately 73°C to 85°C (163 °F to 185 °F).]	CAS number: 92062-15-2 REACH-no: 01-2119486291-36	25 – 50	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	EINECS / ELINCS number: 920-750-0 REACH-no: 01-2119473851-33	10 – 25	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
xylene, mixture of isomers	CAS number: 1330-20-7 EINECS / ELINCS number: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216-32	2,5 – 3	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315
Ethanol	CAS number: 64-17-5 EINECS / ELINCS number: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	0,3 – 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319
2-methoxy-1-methylethyl acetate	CAS number: 108-65-6 EINECS / ELINCS number: 203-603-9 EC Index-No.: 607-195-00-7 REACH-no: 01-2119475791-29	0,3 – 1	Flam. Liq. 3, H226
n-Butyl acetate	CAS number: 123-86-4 EINECS / ELINCS number: 204-658-1 EC Index-No.: 607-025-00-1 REACH-no: 01-2119485493-29	0,1 – 0,3	Flam. Liq. 3, H226 STOT SE 3, H336

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin contact : As a general rule, the product is non-irritating to the skin.

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion : Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Inhalation : May cause drowsiness or dizziness.

Skin contact : Repeated exposure may cause skin dryness or cracking.

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

No information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : carbon dioxide (CO2). Water spray. alcohol-resistant foam. Dry powder.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing.

6.1.1. For non-emergency personnel

Protective equipment : Refer to protective measures listed in sections 7 and 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This product and its container must be disposed of in a safe way, and as per local legislation. Do not flush with aqueous cleansing agents.

Other information : Ensure adequate ventilation.

6.4. Reference to other sections

Stable in handling and storage conditions as recommended in section 7. Concerning personal protective equipment to use, see section 8.

Concerning disposal elimination after cleaning: see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Do not eat, drink or smoke when using this product. Take precautionary measures against static discharge. Eliminate all ignition sources if safe to do so.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : No smoking. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

Technical condition(s) : Store in a well-ventilated place. Impermeable underground / retention basin.

Special rules on packaging : Keep container tightly closed and dry. Keep only in original container.

7.3. Specific end use(s)
No information available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
8.1.1 National occupational exposure and biological limit values

xylene, mixture of isomers (1330-20-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Xylene, mixed isomers, pure
IOEL TWA	221 mg/m³
IOEL TWA [ppm]	50 ppm
IOEL STEL	442 mg/m³
IOEL STEL [ppm]	100 ppm
Remark	Skin
United Kingdom - Occupational Exposure Limits	
Local name	Xylene, o-,m-,p- or mixed isomers
WEL TWA (OEL TWA) [1]	220 mg/m³
WEL TWA (OEL TWA) [2]	50 ppm
WEL STEL (OEL STEL)	441 mg/m³
WEL STEL (OEL STEL) [ppm]	100 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)

Ethanol (64-17-5)	
United Kingdom - Occupational Exposure Limits	
Local name	Ethanol
WEL TWA (OEL TWA) [1]	1920 mg/m³
WEL TWA (OEL TWA) [2]	1000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

n-Butyl acetate (123-86-4)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	n-Butyl acetate
IOEL TWA	241 mg/m³
IOEL TWA [ppm]	50 ppm
IOEL STEL	723 mg/m³
IOEL STEL [ppm]	150 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2019/1831
United Kingdom - Occupational Exposure Limits	
Local name	Butyl acetate
WEL TWA (OEL TWA) [1]	724 mg/m³
WEL TWA (OEL TWA) [2]	150 ppm
WEL STEL (OEL STEL)	966 mg/m³
WEL STEL (OEL STEL) [ppm]	200 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

2-methoxy-1-methylethyl acetate (108-65-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-Methoxy-1-methylethylacetate
IOEL TWA	275 mg/m³
IOEL TWA [ppm]	50 ppm
IOEL STEL	550 mg/m³
IOEL STEL [ppm]	100 ppm
Remark	Skin
United Kingdom - Occupational Exposure Limits	
Local name	1-Methoxypropyl acetate
WEL TWA (OEL TWA) [1]	274 mg/m³
WEL TWA (OEL TWA) [2]	50 ppm
WEL STEL (OEL STEL)	548 mg/m³
WEL STEL (OEL STEL) [ppm]	100 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)

8.1.2. Recommended monitoring procedures
No information available

8.1.3. Air contaminants formed
No information available

8.1.4. DNEL and PNEC

Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approxi mately 73°C to 85°C (163 °F to 185 °F).] (92062-15-2)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	13964 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	5306 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	1301 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1131 mg/m³
Long-term - systemic effects, dermal	1377 mg/kg bodyweight/day

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	773 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2035 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	699 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	608 mg/m³
Long-term - systemic effects, dermal	699 mg/kg bodyweight/day

2-methoxy-1-methylethyl acetate (108-65-6)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	153,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	275 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	1,67 mg/kg bodyweight/day

2-methoxy-1-methylethyl acetate (108-65-6)	
Long-term - systemic effects, inhalation	33 mg/m³
Long-term - systemic effects, dermal	54,8 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,635 mg/l (Undefind)
PNEC aqua (marine water)	0,0635 mg/l (Undefind)
PNEC (Sediment)	
PNEC sediment (freshwater)	3,29 mg/kg dwt (Undefind)
PNEC sediment (marine water)	0,329 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,29 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l (Undefind)

8.1.5. Control banding
No information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls
Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment
Personal protective equipment:

Safety glasses. Gloves. In case of inadequate ventilation wear respiratory protection.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection
Eye protection:

In case of splash hazard: safety glasses

8.2.2.2. Skin protection
Skin protection:

Wear suitable protective clothing

Hand protection:

Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: . For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. . Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

8.2.2.3. Respiratory protection
Respiratory protection:

Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Recommended: filter for organic vapours (type A).

8.2.2.4. Thermal hazards
No information available

8.2.3. Environmental exposure controls

No information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue.
Appearance	: Viscous liquid.
Odour	: Solvents.
Odour threshold	: Not available
Melting point/melting range	: Not available
Freezing point	: Not available
Boiling point/range	: 77 °C
Flammability	: Not available
Explosive limits	: 0,7 – 8,3 vol %
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: -20 °C
Auto-ignition temperature	: The product is not selfigniting.
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 10000 mPa.s (20 °C)
Solubility	: Water: Not miscible or difficult to mix.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 116 hPa (20°C)
Vapour pressure at 20 °C	: Not available
Density	: Not available
Relative density (water = 1)	: 0,839 (20°C)
Vapour density	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits : 0,7 – 8,3 vol %

9.2.2. Other safety characteristics

V.O.C. (V.O.S.) : 521,2 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour. In use, may form flammable/explosive vapour-air mixture.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No information available

10.4. Conditions to avoid

No information available

10.5. Incompatible materials

No information available

10.6. Hazardous decomposition products

No information available

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approxi mately 73°C to 85°C (163 °F to 185 °F).] (92062-15-2)	
LC50/inhalation/4h/rat	> 20 mg/l

xylene, mixture of isomers (1330-20-7)	
LD50/oral/rat	4300 mg/kg
LD50/dermal/rabbit	2000 mg/kg

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rabbit	> 2800 mg/kg
LC50/inhalation/4h/rat	> 23 mg/l

Ethanol (64-17-5)	
LD50/oral/rat	7060 mg/kg
LC50/inhalation/4h/rat	20000 mg/l/4h

2-methoxy-1-methylethyl acetate (108-65-6)	
LD50/oral/rat	> 2000 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	> 20 mg/l/4h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approxi mately 73°C to 85°C (163 °F to 185 °F).] (92062-15-2)	
STOT-single exposure	May cause drowsiness or dizziness.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	
STOT-single exposure	May cause drowsiness or dizziness.

n-Butyl acetate (123-86-4)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

11.2. Information on other hazards

No information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified

Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approxi mately 73°C to 85°C (163 °F to 185 °F).] (92062-15-2)	
LC50/96h/fish	12 mg/l (Oncorhynchus mykiss)
EC50/48h/daphnia magna	3 mg/l
ErC50 algae	55 mg/l (72h, Pseudokirchneriella subsapitata)

xylene, mixture of isomers (1330-20-7)	
LC50/96h/fish	8,9 – 16,4 mg/l (Pimephales promelas)
EC50/48h/daphnia magna	3,2 – 9,5 mg/l

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	
LC50/96h/fish	> 13,4 (Oncorhynchus mykiss)
EC50/48h/daphnia magna	3 mg/l
EC50 - Other aquatic organisms [1]	10 – 30 (72h, Pseudokirchneriella subcapitata)
LOEC (chronic)	0,32 mg/l (21 Days, Daphnia magna)
NOEC (chronic)	0,17 mg/l (21 days, Daphnia magna)

12.2. Persistence and degradability
No information available

12.3. Bioaccumulative potential
No information available

12.4. Mobility in soil
No information available

12.5. Results of PBT and vPvB assessment
No information available

12.6. Endocrine disrupting properties
No information available

12.7. Other adverse effects
Other adverse effects : Toxic to fish.

Additional information : Avoid release to the environment. Danger to drinking water, even if small amounts leak into the subsoil. Also poisonous for fish and plankton in water bodies. Toxic to aquatic organisms

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Regional legislation (waste) : Disposal must be done according to official regulations.

Waste / unused products : Avoid release to the environment. Should not be landfilled with household waste.

European List of Waste (LoW) code : 08 05 00 - wastes not otherwise specified in 08
15 01 04 - metallic packaging

SECTION 14: Transport information
In accordance with ADR / IMDG

14.1. UN number or ID number
UN-No. (ADR) : UN 1263

UN-No. (IMDG) : UN 1263

14.2. UN proper shipping name
Proper Shipping Name (ADR) : Paint

Proper Shipping Name (IMDG) : PAINT

Transport document description (ADR) : UN 1263 Paint, 3, III, (D/E)

Transport document description (IMDG) : UN 1263 PAINT, 3, III

14.3. Transport hazard class(es)
ADR

Transport hazard class(es) (ADR) : 3

Danger labels (ADR) : 3

:

IMDG

Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) : 3

:

14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

14.5. Environmental hazards

Dangerous for the environment : Yes (Environmentally hazardous substances derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg). The environmentally hazardous substance mark is therefore not required, as stated in the ADR regulation, section 5.2.1.8.1.)

Marine pollutant : Yes (IMDG 5.2.1.6.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg))

Further information : No supplementary information available

14.6. Special precautions for user

Overland transport

Limited quantities (ADR) : 5l

Transport category (ADR) : 3

Tunnel restriction code : D/E

Transport by sea

Limited quantities (IMDG) : 5 L

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-E

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

V.O.C. (V.O.S.) : 521,2 g/l

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)

15.1.2. National regulations
No information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Last revision		
	Supersedes		
2.3			
8.1			
8.2			
9.1			
9.2			
11.2.			
12.6			
12.7			
15			
16			

Abbreviations and acronyms:	
	ACGIH = American Conference of Governmental Industrial Hygienists
	ADR = Accord européen sur le transport des marchandises dangereuses par Route
	ATE = Acute Toxicity Estimate
	CAS = Chemical Abstracts Service
	CLP = Classification, labelling and packaging
	CSR = Chemical Safety Report
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No-Effect Level
	DPD = Dangerous Preparation Directive
	DSD = Dangerous Substance Directive
	EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	HTP = Haitallisiksi tunnetut pitoisuudet
	IATA = International Air Transport Association
	ICAO = International Civil Aviation Organization
	IMDG = International Maritime Code for Dangerous Goods
	IOELV = Indicative Occupational Exposure Limit Value (EU)

Abbreviations and acronyms:	
	LC50 = Lethal concentration, 50 percent
	LD50 = Lethal dose, 50 percent
	LEL = Lower Explosion Limit
	MAK = Maximale Arbeitsplatzkonzentrationen
	MAL-kode = Måleteknisk Arbejdshygiejnisk Luftbehov
	N.O.S. = Not Otherwise Specified
	NDS = Najwyższe Dopuszczalne Stężenie
	NDSCh = Najwyższe Dopuszczalne Stężenie Chwilowe
	OEL = Occupational Exposure Limits
	PBT = Persistent, bioaccumulative and toxic
	PNEC = Predicted No-Effect Concentration
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
	STEL = Short term exposure limit
	STOT RE = specific target organ toxicity repeated exposure
	STOT SE = specific target organ toxicity single exposure
	SVHC = Substance of Very High Concern
	TLV = Threshold Limit Value
	TRGS = Technischen Regeln für Gefahrstoffe
	TWA = time weighted average
	VLA-EC = valores límite ambientales para la exposición de corta duración
	UEL = Upper Explosion Limit
	VLA-ED = valores límite ambientales para la exposición diaria
	VLE = Valeur Limite d'exposition
	VME = Valeur Limite de Moyenne d'exposition
	VOC = Volatile Organic Compounds
	vPvB = very Persistent and very Bioaccumulative
	WGK = Wassergefärhdungsklasse

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.

Full text of H- and EUH-statements:	
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis

Disclaimer with regard to REACH:
The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:
The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.