

according to Regulation (EC) No. 1907/2006 (REACH)

Ethyl chloroacetate

Version number: GHS 1.0 Date of compilation: 2020-10-07 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 **Product identifier** Identification of the substance **Ethyl chloroacetate** Registration number (REACH) this information is not available CAS number 105-39-5 Article number A0020589 Relevant identified uses of the substance or mixture and uses advised against 1.2 Relevant identified uses General use 1.3 Details of the supplier of the safety data sheet Chemos GmbH & Co. KG Sonnenring 7 84032 Altdorf Germany Telephone: +49 871-966346-0 Telefax: +49 871-966346-13 e-mail: chemos@chemos.de Website: http://www.chemos.de/ e-mail (competent person) chemos@chemos.de 1.4 **Emergency telephone number Emergency information service** +49 89 1 92 40

Poison centre				
Country	Name	Postal code/ city	Telephone	Telefax
United Kingdom	National Poison Information Centre Medical Toxicology Unit	SE14 5ER Lon- don	+44 171 635 91 91	

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Section	Hazard class	Category	Hazard class and cat- egory	Hazard state- ment
2.6	flammable liquid	3	Flam. Liq. 3	H226
3.10	acute toxicity (oral)	3	Acute Tox. 3	H301
3.1D	acute toxicity (dermal)	3	Acute Tox. 3	H311
3.1I	acute toxicity (inhal.)	3	Acute Tox. 3	H331
4.1A	hazardous to the aquatic environment - acute hazard	1	Aquatic Acute 1	H400

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.



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Version number: GHS 1.0 Date of compilation: 2020-10-07 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 (CLP) - Signal word danger - Pictograms GHS02, GHS06, GHS09 - Hazard statements H226 Flammable liquid and vapour. H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled. H400 Very toxic to aquatic life. - Precautionary statements Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No P210 smoking. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P370+P378 In case of fire: Use sand, carbon dioxide or powder extinguisher to extinguish. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool.

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Name of substance	ethyl chloroacetate	
Identifiers		
CAS No	105-39-5	
EC No	203-294-0	
Index No	607-070-00-7	
Molecular formula	C4H7CIO2	
Molar mass	122.6 ^g / _{mol}	

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.



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Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Water spray, BC-powder, Carbon dioxide (CO2)

Unsuitable extinguishing media Water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mix-tures.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2), Hydrogen chloride (HCl), Hydrogen iodide (HI)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder



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Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools.

- Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- Flammability hazards

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

- Ventilation requirements

Keep any substance that emits harmful vapours or gases in a place that allows these to be permanently extracted. Use local and general ventilation. Ground/bond container and receiving equipment.

- Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

This information is not available.

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Colour	colourless
Odour	characteristic

Other safety parameters

pH (value)	not determined
Melting point/freezing point	-26 °C
Initial boiling point and boiling range	143 °C
Flash point	54 °C
Evaporation rate	not determined
Flammability (solid, gas)	not relevant, (fluid)



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Explosive limits	not determined
Vapour pressure	10 mmHg at 38 °C 3.3 mmHg at 20 °C
Density	1.145 ^g / _{cm³} at 25 °C
Vapour density	this information is not available
Solubility(ies)	not determined
Partition coefficient	
- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none
Oxidising properties	none
Other information	

Solvent content	100 %
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SECTION 10: Stability and reactivity

10.1 Reactivity

9.2

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". It's a reactive substance. The mixture contains reactive substance(s). Risk of ignition.

If heated:

Risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

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

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

10.5 Incompatible materials

Oxidisers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled.

- Acute toxicity estimate (ATE)

5	• •
Oral	100 ^{mg} / _{kg}
Dermal	300 ^{mg} / _{kg}
Inhalation: vapour	3 ^{mg} / _l /4h

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life.

- **12.2 Persistence and degradability** Data are not available.
- **12.3 Bioaccumulative potential** Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment Data are not available.

12.6 Other adverse effects

Data are not available.



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECT	SECTION 14: Transport information				
14.1	UN number	1181			
14.2	UN proper shipping name	ETHYL CHLOROACETATE			
14.3	Transport hazard class(es)				
	Class	6.1 (toxic substances) (environmentally hazardous)			
	Subsidiary risk(s)	3 (flammable liquid)			
14.4	Packing group	II (substance presenting medium danger)			
14.5	Environmental hazards	hazardous to the aquatic environment			
14.6	Special precautions for user				

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

UN number	1181
Proper shipping name	ETHYL CHLOROACETATE
Class	6.1
Classification code	TF1
Packing group	II
Danger label(s)	6.1+3, fish and tree
Environmental hazards	YES (hazardous to the aquatic environment)
Special provisions (SP)	802(ADN)
Excepted quantities (EQ)	E4
Limited quantities (LQ)	100 ml



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Transport category (TC)	2
Tunnel restriction code (TRC)	D/E
Hazard identification No	63
Emergency Action Code	2W
International Maritime Dangerous Go	
UN number	1181
Proper shipping name	ETHYL CHLOROACETATE
Class	6.1
Subsidiary risk(s)	3
Marine pollutant	
•	Yes (hazardous to the aquatic environment) II
Packing group Danger label(s)	6.1+3, fish and tree
	0.1+5, ISH and tree
Special provisions (SP)	-
Excepted quantities (EQ)	E4
Limited quantities (LQ)	100 mL
EmS	F-E, S-D
Stowage category	А
International Civil Aviation Organizat	ion (ICAO-IATA/DGR)
UN number	1181
Proper shipping name	Ethyl chloroacetate
Class	6.1
Subsidiary risk(s)	3
Environmental hazards	Yes (hazardous to the aquatic environment)
Packing group	II
Danger label(s)	6.1+3
Excepted quantities (EQ)	E4
Limited quantities (LQ)	1 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

Deco-Paint Directive (2004/42/EC)

VOC content	100 %	



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Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content	100 %
VOC content	100 /0

National inventories

Country	Inventory	Status
AU	AICS	substance is listed
CA	NDSL	substance is listed
CN	IECSC	substance is listed
EU	ECSI	substance is listed
EU	REACH Reg.	substance is listed
JP	CSCL-ENCS	substance is listed
KR	KECI	substance is listed
MX	INSQ	substance is listed
NZ	NZIoC	substance is listed
PH	PICCS	substance is listed
TW	TCSI	substance is listed
US	TSCA	substance is listed

Legend

AICS CSCL-ENCS ECSI IECSC INSQ KECI NDSL NZIOC DICCS Australian Inventory of Chemical Substances List of Existing and New Chemical Substances (CSCL-ENCS) List of Existing and New Chemical Substances (CSCL-ENCS) EC Substance Inventory (EINECS, ELINCS, NLP) Inventory of Existing Chemical Substances Produced or Imported in China National Inventory of Chemical Substances Korea Existing Chemicals Inventory Non-domestic Substances List (NDSL) New Zealand Inventory of Chemicals Philippine Inventory of Chemicals and Chemical Substances (PICCS) REACH registered substances Taiwan Chemical Substance Inventory PICCS REACH Reg. TCSI Taiwan Chemical Substance Inventory TSCA **Toxic Substance Control Act**

15.2 **Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de naviga- tion intérieures (European Agreement concerning the International Carriage of Dangerous Goods by In- land Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)



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Safety Data Sheet

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fier of substances commercially available within the EU (European Union)EINECSEuropean Inventory of Existing Commercial Chemical SubstancesELINCSEuropean List of Notified Chemical SubstancesEmsEmergency ScheduleGHS"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the Unite tionsIATAInternational Air Transport AssociationIATADangerous Goods Regulations (DGR) for the air transport (IATA)ICAOInternational Civil Aviation OrganizationIMDGInternational Maritime Dangerous Goods Codeindex NoThe Index number is the identification code given to the substance in Part 3 of Annex VI to Regula (EC) No 1272/2008MARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant NLPPBTPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg tions concerning the International carriage of Dangerous goods by Rail)VOCVolatile Organic Compounds		
filer of substances commercially available within the EU (European Union)EINECSEuropean Inventory of Existing Commercial Chemical SubstancesELINCSEuropean List of Notified Chemical SubstancesEmSEmergency ScheduleGHS"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the Unite tionsIATAInternational Air Transport AssociationIATADangerous Goods Regulations (DGR) for the air transport (IATA)ICAOInternational Civil Aviation OrganizationIMDGInternational Maritime Dangerous Goods Codeindex NoThe Index number is the identification code given to the substance in Part 3 of Annex VI to Regula (EC) No 1272/2008MARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant NLPPBTPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg tions concerning the International Carriage of Dangerous goods by Rail)VOCVolatile Organic Compounds	Abbr.	Descriptions of used abbreviations
ELINCSEuropean List of Notified Chemical SubstancesEmSEmergency ScheduleGHS"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the Unite tionsIATAInternational Air Transport AssociationIATADangerous Goods Regulations (DGR) for the air transport (IATA)ICAOInternational Civil Aviation OrganizationIMDGInternational Maritime Dangerous Goods Codeindex NoThe Index number is the identification code given to the substance in Part 3 of Annex VI to Regula (EC) No 1272/2008MARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant NLPPBTPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg tions concerning the International carriage of Dangerous goods by Rail)VOCVolatile Organic Compounds	EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identi- fier of substances commercially available within the EU (European Union)
EmsEmergency ScheduleGHS"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the Unite tionsIATAInternational Air Transport AssociationIATADangerous Goods Regulations (DGR) for the air transport (IATA)ICAOInternational Civil Aviation OrganizationIMDGInternational Maritime Dangerous Goods Codeindex NoThe Index number is the identification code given to the substance in Part 3 of Annex VI to Regula (EC) No 1272/2008MARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant NLPPBTPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg 	EINECS	European Inventory of Existing Commercial Chemical Substances
GHS"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the Unite tionsIATAInternational Air Transport AssociationIATA/DGRDangerous Goods Regulations (DGR) for the air transport (IATA)ICAOInternational Civil Aviation OrganizationIMDGInternational Maritime Dangerous Goods Codeindex NoThe Index number is the identification code given to the substance in Part 3 of Annex VI to RegulaMARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine PollutantNLPNo-Longer PolymerPBTPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg tions concerning the International carriage of Dangerous goods by Rail)VOCVolatile Organic Compounds	ELINCS	European List of Notified Chemical Substances
IATAtionsIATAInternational Air Transport AssociationIATA/DGRDangerous Goods Regulations (DGR) for the air transport (IATA)ICAOInternational Civil Aviation OrganizationIMDGInternational Civil Aviation OrganizationIMDGThe Index number is the identification code given to the substance in Part 3 of Annex VI to Regulat (EC) No 1272/2008MARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant NLPNLPPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg tions concerning the International carriage of Dangerous goods by Rail)VOCVolatile Organic Compounds	EmS	Emergency Schedule
IATA/DGRDangerous Goods Regulations (DGR) for the air transport (IATA)ICAOInternational Civil Aviation OrganizationIMDGInternational Maritime Dangerous Goods Codeindex NoThe Index number is the identification code given to the substance in Part 3 of Annex VI to Regulat (EC) No 1272/2008MARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant NLPPBTPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg tions concerning the International carriage of Dangerous goods by Rail)VOCVolatile Organic Compounds	GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Na- tions
ICAOInternational Civil Aviation OrganizationIMDGInternational Maritime Dangerous Goods Codeindex NoThe Index number is the identification code given to the substance in Part 3 of Annex VI to Regula (EC) No 1272/2008MARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant NLPNLPNo-Longer PolymerPBTPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg tions concerning the International carriage of Dangerous goods by Rail)VOCVolatile Organic Compounds	IATA	International Air Transport Association
IMDGInternational Maritime Dangerous Goods Codeindex NoThe Index number is the identification code given to the substance in Part 3 of Annex VI to Regula (EC) No 1272/2008MARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant NLPNLPNo-Longer PolymerPBTPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg tions concerning the International carriage of Dangerous goods by Rail)VOCVolatile Organic Compounds	IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
Index NoThe Index number is the identification code given to the substance in Part 3 of Annex VI to Regula (EC) No 1272/2008MARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant NLPNLPNo-Longer PolymerPBTPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg tions concerning the International carriage of Dangerous goods by Rail)VOCVolatile Organic Compounds	ICAO	International Civil Aviation Organization
MARPOLInternational Convention for the Prevention of Pollution from Ships (abbr. of "Marine PollutantNLPNo-Longer PolymerPBTPersistent, Bioaccumulative and ToxicREACHRegistration, Evaluation, Authorisation and Restriction of ChemicalsRIDRèglement concernant le transport International ferroviaire des marchandises Dangereuses (Reg tions concerning the International carriage of Dangerous goods by Rail)VOCVolatile Organic Compounds	IMDG	International Maritime Dangerous Goods Code
NLP No-Longer Polymer PBT Persistent, Bioaccumulative and Toxic REACH Registration, Evaluation, Authorisation and Restriction of Chemicals RID Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Registrictions concerning the International carriage of Dangerous goods by Rail) VOC Volatile Organic Compounds	index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
PBT Persistent, Bioaccumulative and Toxic REACH Registration, Evaluation, Authorisation and Restriction of Chemicals RID Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Registrations concerning the International carriage of Dangerous goods by Rail) VOC Volatile Organic Compounds	MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals RID Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Registrations concerning the International carriage of Dangerous goods by Rail) VOC Volatile Organic Compounds	NLP	No-Longer Polymer
RID Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regitions concerning the International carriage of Dangerous goods by Rail) VOC Volatile Organic Compounds	PBT	Persistent, Bioaccumulative and Toxic
tions concerning the International carriage of Dangerous goods by Rail) VOC Volatile Organic Compounds	REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regula- tions concerning the International carriage of Dangerous goods by Rail)
	VOC	Volatile Organic Compounds
vPvB Very Persistent and very Bioaccumulative	vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.