

# Ethylene Dichloride (EDC)

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 6/7/2022 Revision date: 6/7/2022 Version: 1.0 SDS number: P2022052313

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

#### 1.1. Product identifier

Product form	: Substance
Substance name	: Ethylene Dichloride (EDC)
Chemical name	: 1,2-Dichloroethane; Ethylene Dichloride
EC Index-No.	: 602-012-00-7
EC-No.	: 203-458-1
CAS-No.	: 107-06-2

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Use as chemical intermediate for the production of vinyl chloride

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Sahara International Petrochemical Company (Sipchem)  
Saudi Arabia, Jubail Industrial City 31961, P.O Box 12021.  
T 966 13 359 9999  
[complianceps@sipchem.com](mailto:complianceps@sipchem.com) - <https://www.sipchem.com>

#### 1.4. Emergency telephone number

T +966 13 359 9985 (24 x 7)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2	H225
Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Carcinogenicity, Category 1B	H350
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335

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

##### Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause cancer. Harmful if swallowed. May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour.

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H350 - May cause cancer.

Precautionary statements (CLP) :

P201 - Obtain special instructions before use.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P235 - Keep cool.

P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

P370+P378 - In case of fire: Use media other than water to extinguish.

## 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The substance is not 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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name : Ethylene Dichloride (EDC)

Name	Product identifier	%
1,2-dichloroethane; ethylene dichloride	CAS-No.: 107-06-2 EC-No.: 203-458-1 EC Index-No.: 602-012-00-7	> 99.98

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest. Call a poison center or a doctor if you feel unwell.

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. 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.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.

#### 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	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: On combustion forms: carbon oxides
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protective equipment for firefighters	: 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, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapours/spray.

##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate area.

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Notify authorities if product enters sewers or public waters.

## 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

## 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Provide good ventilation in process area to prevent formation of vapour. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

## 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Keep container tightly closed in a cool, well-ventilated place. Keep container closed when not in use. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

## 7.3. Specific end use(s)

No additional information available

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

#### 1,2-dichloroethane; ethylene dichloride (107-06-2)

##### France - Occupational Exposure Limits

VME (OEL TWA)	40 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	10 ppm

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 1,2-dichloroethane; ethylene dichloride (107-06-2)

### Ireland - Occupational Exposure Limits

OEL TWA [1]	20 mg/m <sup>3</sup>
OEL TWA [2]	5 ppm
OEL STEL	40 mg/m <sup>3</sup>
OEL STEL [ppm]	10 ppm

### United Kingdom - Occupational Exposure Limits

WEL STEL (OEL STEL)	63 mg/m <sup>3</sup> (calculated)
WEL STEL (OEL STEL) [ppm]	15 ppm (calculated)

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

Ingredient	DNELs Exposure Pattern Worker	PNECs Compartment
Ethylene Dichloride	-	1.1 mg/L (Water (Fresh)) 0.11 mg/L (Water - Intermittent release) 1.36 mg/L (Water (Marine)) 11.1 mg/kg sediment dw (Sediment (Fresh Water)) 1.11 mg/kg sediment dw (Sediment (Marine)) 1.8 mg/kg soil dw (Soil) 27.8 mg/L (STP) 8.33 mg/kg food (Oral)

\* Values for General Population

### 8.1.5. Control banding

No additional 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:

Avoid all unnecessary exposure.

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses. Use eye protection according to EN 166. Safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Wear protective gloves. Wear suitable gloves tested to EN374

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Wear appropriate mask. [In case of inadequate ventilation] wear respiratory protection.

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: chloroform-like
Odour threshold	: 40 ppm
Melting point	: -35 °C / -31 °F
Freezing point	: Not available
Boiling point	: 84 °C / 183 °F
Flammability	: Highly flammable.
Lower explosion limit	: 6.2%
Upper explosion limit	: 16%
Flash point	: 13 °C / 55 °F
Auto-ignition temperature	: 413 °C / 775 °F
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Viscosity, Dynamic	: 0.84 mPa.s at 20 °C
Water Solubility	: 8.5 g/l at 20 °C
Partition coefficient n-octanol/water (Log Kow)	: 1.45 at 20 °C
Vapour pressure	: 81.3 hPa at 20 °C
Vapour pressure at 50 °C	: Not available
Density	: 1.253 g/cm <sup>3</sup> at 20 °C
Relative density	: Not available
Relative vapour density at 20 °C	: 3.4
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Surface tension : 24.15 mN/m at 20 °C / 68 °F

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use. Darkens on exposure to air or light.

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

## 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Hazardous polymerization will not occur.

## 10.4. Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Exposure to air or moisture over prolonged periods. Exposure to sunlight.

## 10.5. Incompatible materials

Aluminum. Nitric acid. Oxidizing agents. Bases.

## 10.6. Hazardous decomposition products

Emits toxic fumes of phosgene, hydrogen chloride, acetylene and vinyl chloride when heated to decomposition.

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Harmful if swallowed.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

### 1,2-dichloroethane; ethylene dichloride (107-06-2)

LD50 rat (oral) >200 - 2000 mg/kg  
LD50 rabbit (dermal) >2000 mg/kg  
LC50 rat (inhalation) >5 mg/l / 10 hours  
Skin corrosion/irritation : Causes skin irritation.  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : Skin mouse : not sensitising [OECD 429]  
Germ cell mutagenicity : Not classified  
Carcinogenicity : May cause cancer.  
Reproductive toxicity : Not classified  
STOT-single exposure : May cause respiratory irritation.

### 1,2-dichloroethane; ethylene dichloride (107-06-2)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

No additional information available



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 11.2.2. Other information

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye

## 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) : Not classified

#### Ethylene Dichloride (EDC) (107-06-2)

LC50 fish 96h : 136 mg/L

EC50 Daphnia magna 48h : 160 mg/L

EC50 algae 72h : 166 mg/L

### 12.2. Persistence and degradability

#### Ethylene Dichloride (EDC) (107-06-2)

Persistence and degradability : Inherently biodegradable. Not susceptible to hydrolysis.

### 12.3. Bioaccumulative potential

#### Ethylene Dichloride (EDC) (107-06-2)

Bioaccumulative potential : Does not bioaccumulate significantly.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

the substance is not PBT / vPvB

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Flammable vapours may accumulate in the container.






Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID



according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
UN 1184	UN 1184	UN 1184	UN 1184	UN 1184
<b>14.2. UN proper shipping name</b>				
Ethylene Dichloride	Ethylene Dichloride	Ethylene Dichloride	Ethylene Dichloride	Ethylene Dichloride
<b>Transport document description</b>				
UN 1184 Ethylene Dichloride, 3 (6.1), II, (D/E)	UN 1184 Ethylene Dichloride, 3 (6.1), II (13°C c.c.)	UN 1184 Ethylene Dichloride, 3 (6.1), II	UN 1184 Ethylene Dichloride, 3 (6.1), II	UN 1184 Ethylene Dichloride, 3 (6.1), II
<b>14.3. Transport hazard class(es)</b>				
3 (6.1)	3 (6.1)	3 (6.1)	3 (6.1)	3 (6.1)
				
<b>14.4. Packing group</b>				
II	II	II	II	II
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

#### 14.6. Special precautions for user

##### Overland transport

Classification code (ADR)	: FT1
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: L4BH
Tank special provisions (ADR)	: TU15
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13, CV28
Special provisions for carriage - Operation (ADR)	: S2, S19
Hazard identification number (Kemler No.)	: 336
Orange plates	:



Tunnel restriction code (ADR) : D/E

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### Transport by sea

Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2
Segregation (IMDG)	: SGG10
Flash point (IMDG)	: 13°C c.c.
Properties and observations (IMDG)	: Colourless liquid with a chloroform-like odour. Flashpoint: 13°C c.c. Explosive limits: 6.2% to 15.9% Immiscible with water. Toxic by inhalation. Irritating to skin, eyes and mucous membranes.

#### Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 352
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
ERG code (IATA)	: 3P

#### Inland waterway transport

Classification code (ADN)	: FT1
Special provisions (ADN)	: 802
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP, EX, TOX, A
Ventilation (ADN)	: VE01, VE02
Number of blue cones/lights (ADN)	: 2

#### Rail transport

Classification code (RID)	: FT1
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001, IBC02
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T7
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: L4BH
Special provisions for RID tanks (RID)	: TU15
Transport category (RID)	: 2
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW28
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 336

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 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 restrictions---Entry 28

1,2-dichloroethane is on the REACH Candidate List

Contains a substance on the REACH candidate list: 1,2-dichloroethane (EC 203-458-1, CAS 107-06-2)

1,2-dichloroethane (EDC) is on the REACH Annex XIV List:

Contains REACH Annex XIV substances: 1,2-dichloroethane (EC 203-458-1, CAS 107-06-2)

1,2-Dichloroethane (ethylene dichloride) is subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Ethylene Dichloride (EDC) is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ethylene Dichloride (EDC) is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 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

##### France

##### Occupational diseases

Code	Description
RG 12	Occupational diseases caused by the halogenated aliphatic hydrocarbons listed below: dichloromethane; trichloromethane; tribromomethane; triiodomethane; tetrabromomethane; chloroethane; 1,1-dichloroethane; 1,2-dichloroethane; 1,2-dibromoethane; 1,1,1-trichloroethane; 2-bromopropane; 1,2-dichloropropane; trichlorethylene; tetrachlorethylene; dichloroacetylene; trichlorofluoromethane; 1,1,2,2-tetrachloro-1,2-difluoroethane; 1,1,1-trichloro-2,2,2-trifluoroethane; 1,1-dichloro-2,2,2-trifluoroethane; 1,2-dichloro-1,1-difluoroethane; 1,1-dichloro-1-fluoroethane

##### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 3, Highly hazardous to water (KBwS-Beschluss; ID No. 102)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : Ethylene Dichloride (EDC) is listed

SZW-lijst van mutagene stoffen : The substance is not listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

##### Denmark

Danish National Regulations : Young people under 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with it  
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

##### Switzerland

Storage class (LK) : LK 3 - Flammable liquids

Chemicals Ordinance (SR 813.11) : Group 1

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

## 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
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	Effective concentration for 50 percent of test population (median effective concentration)
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal concentration for 50 percent of test population (median lethal concentration)
LD50	Lethal dose for 50 percent of test population (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
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulation concerning the International Carriage of Dangerous Goods by Railways
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

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

#### Abbreviations and acronyms:

ED	Endocrine disrupting properties
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#### Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Carc. 1B	Carcinogenicity, Category 1B
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H350	May cause cancer.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

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.