

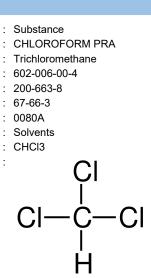
## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Reference number: 0080A Issue date: 11-10-2022 Revision date: 11-10-2022 Supersedes version of: 07-04-2016 Version: 1.0

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

#### **1.1. Product identifier**

Product form
Trade name
IUPAC name
EC Index-No.
EC-No.
CAS-No.
Product code
Type of product
Formula
Chemical structure



#### Synonyms

: Methane trichloride, Methyl trichloride, Methenyl trichloride, Methenyl chloride

### 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 of the substance/mixture Industrial. For professional use only
 Laboratory chemicals
 Manufacture of substances
 Solvents

#### 1.2.2. Uses advised against

No additional information available

### **1.3. Details of the supplier of the safety data 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 [CL	י]	
Acute toxicity (oral), Category 4	H302	
Acute toxicity (inhal.), Category 3	H331	
Skin corrosion/irritation, Category 2	H315	
Serious eye damage/eye irritation, Category 2	H319	
Carcinogenicity, Category 2	H351	
Reproductive toxicity, Category 2	H361d	
Specific target organ toxicity – Repeated exposure, Category 1	H372	
Full text of H- and EUH-statements: see section 16		

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### Adverse physicochemical, human health and environmental effects

Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Toxic if inhaled. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements	
Labelling according to Regulation (EC) No. 127	2/2008 [CLP]
Hazard pictograms (CLP)	
	GHS06 GHS08
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H302 - Harmful if swallowed.
	H315 - Causes skin irritation.
	H319 - Causes serious eye irritation.
	H331 - Toxic if inhaled.
	H351 - Suspected of causing cancer.
	H361d - Suspected of damaging the unborn child.
	H372 - Causes damage to organs through prolonged or repeated exposure.
Precautionary statements (CLP)	: P260 - Do not breathe dust, fume, gas, mist, spray, vapours.
	P264 - Wash hands, forearms and face thoroughly after handling.
	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 soap and water.
	P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	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/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

SECTION 3: Composition/information on ingredients		
3.1. Substances		
Substance type Name CAS-No. EC-No. EC Index No.	: Mono-constituent : CHLOROFORM : 67-66-3 : 200-663-8	
EC Index-No.	: 602-006-00-4	

Not applicable

## **SECTION 4: First aid measures**

4.1. Description of first aid measures	
First-aid measures general	: Suspected of causing cancer. 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. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a doctor.
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	: Get medical advice/attention. 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.

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First-aid measures after ingestion	: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Call a poison center or doctor if you feel unwell.			
4.2. Most important symptoms and effect	cts, both acute and delayed			
Symptoms/effects Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion Chronic symptoms	<ul> <li>Causes damage to organs. May cause cancer.</li> <li>May cause drowsiness or dizziness.</li> <li>Causes skin irritation. Irritation.</li> <li>Causes serious eye irritation. Eye irritation.</li> <li>Harmful if swallowed.</li> <li>Suspected of damaging the unborn child.</li> </ul>			

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	<ul><li>Carbon dioxide. Dry powder. Foam. Water spray.</li><li>Do not use extinguishing media containing water.</li></ul>					
5.2. Special hazards arising from the subst	tance or mixture					
Hazardous decomposition products in case of fire : Toxic fumes may be released.						
5.3. Advice for firefighters						
Protection during firefighting	: 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	e equipment and emergency procedures					
6.1.1. For non-emergency personnel						
Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. Do not breathe dust, fume, gas, mist, spray, vapours. Avoid contact with skin and eyes.					
6.1.2. For emergency responders						
Protective equipment Emergency procedures	<ul> <li>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".</li> <li>Ventilate area.</li> </ul>					
6.2. Environmental precautions						
Avoid release to the environment.						
6.3. Methods and material for contain	nment and cleaning up					
Methods for cleaning up Other information	<ul> <li>Take up liquid spill into absorbent material. On land, sweep or shovel into suitable containers. Collect spillage. Notify authorities if product enters sewers or public waters.</li> <li>Dispose of materials or solid residues at an authorized site.</li> </ul>					
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						
Precautions for safe handling Hygiene measures	<ul> <li>Do not breathe vapours. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust, fume, gas, mist, spray, vapours. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.</li> <li>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. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>					
7.2. Conditions for safe storage, including any incompatibilities						
Storage conditions	: Store in a well-ventilated place. Keep container tightly closed. Store in original container. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.					

### 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

No additional information available

### 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

No additional information available

### 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 symbol(s):



### 8.2.2.1. Eye and face protection

**Eye protection:** Chemical goggles or safety glasses

### 8.2.2.2. Skin protection

Hand protection: Protective gloves

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### 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.

9.1. Information on basic physical and ch	emical properties	
Physical state	: Liquid	
Appearance	: Clear liquid.	
Molecular mass	: 119.38 g/mol	
Colour	: Colourless.	
Odour	: sweet pleasant.	
Odour threshold	: 133 – 276 ppm	
	648 – 1344 mg/m <sup>3</sup>	
pН	: No data available	
Relative evaporation rate (butylacetate=1)	: 11.6	
Melting point	: Not applicable	
Freezing point	: -63 °C	
Boiling point	: 61 – 62 °C	
Flash point	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: 290 °C	
Flammability (solid, gas)	: Not applicable	
Vapour pressure	: 213.3 hPa at 20°C	
Relative vapour density at 20 °C	: 4.12 (Air = 1)	
Relative density	: No data available	
Density	: 1.48 g/cm³ at 20°C	
Solubility	: Water: Slightly miscible	
Partition coefficient n-octanol/water (Log Pow)	: 1.97	
Viscosity, kinematic	: 0.392 mm²/s	
Viscosity, dynamic	: 0.58 cP at 20°C	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data 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.

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Direct sunlight. Overheating. Air contact.

### 10.5. Incompatible materials

### Oxidizing agent.

**10.6. Hazardous decomposition products** 

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

### SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Toxic if inhaled.
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Suspected of damaging the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
CHLOROFORM PRA (67-66-3)	
Viscosity, kinematic	0.392 mm²/s
Potential adverse human health effects and symptoms	: Harmful if swallowed.

### **SECTION 12: Ecological information**

### 12.1. Toxicity Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Hazardous to the aquatic environment, short-term : Not classified (acute) Hazardous to the aquatic environment, long-term : Not classified (chronic) 12.2. Persistence and degradability No additional information available 12.3. Bioaccumulative potential CHLOROFORM PRA (67-66-3) Partition coefficient n-octanol/water (Log Pow) 1.97

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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### 12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations	;
13.1. Waste treatment methods	
Waste treatment methods Product/Packaging disposal recommendations	<ul> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.</li> </ul>

# **SECTION 14: Transport information**

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

14.1 UN number	
UN-No. (ADR) UN-No. (IMDG)	: UN 1888 : UN 1888
UN-No. (IATA)	: UN 1888
UN-No. (ADN)	: UN 1888
UN-No. (RID)	: UN 1888
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: CHLOROFORM
Proper Shipping Name (IMDG)	: CHLOROFORM
Proper Shipping Name (IATA)	: Chloroform
Proper Shipping Name (ADN)	: CHLOROFORM
Proper Shipping Name (RID)	: CHLOROFORM
Transport document description (ADR)	: UN 1888 CHLOROFORM, 6.1, III, (E)
Transport document description (IMDG)	: UN 1888 CHLOROFORM, 6.1, III
Transport document description (IATA)	: UN 1888 Chloroform, 6.1, III
Transport document description (ADN)	: UN 1888 CHLOROFORM, 6.1, III
Transport document description (RID)	: UN 1888 CHLOROFORM, 6.1, III

### 14.3. Transport hazard class(es)

### ADR

Transport hazard class(es) (ADR)	: 6.1
Danger labels (ADR)	: 6.1



: 6.1

: 6.1 : 6.1

: 6.1

п	M	D	G

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

### ΙΑΤΑ

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

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Transport hazard class(es) (ADN)::::Danger labels (ADN)::::::: <b>RU</b> :: <td< th=""><th>according to Regulation (EC) No. 1907/2000 (REACH) with</th><th>its amendment Regulation (EO) 2015/630</th></td<>	according to Regulation (EC) No. 1907/2000 (REACH) with	its amendment Regulation (EO) 2015/630
Transport hazard class(es) (ADN) : 6.1 Danger labels (ADN) : 6.1 Transport hazard class(es) (RD) : 6.1 Transport Acade (RD) : 6.1 Transport Labels (RD) : 6.1 Transport Labels (RD) : 7 <b>14.4. Packing group</b> <b>14.4. Packing group</b> <b>14.4. Packing group</b> <b>14.4. Packing group</b> <b>14.4. Packing group</b> <b>14.5. Environmental hazards</b> <b>14.5. Environmental hazards</b> <b>14.6. Special precautions for user</b> <b>14.6. Special precautions for user</b> <b>14.7.</b> <b>14.7.</b> <b>15.</b> Special precautions for user <b>14.6. Special precautions for user</b> <b>14.6. Special precautions for user</b> <b>14.6. Special precautions for user</b> <b>14.6. Special precautions for user</b> <b>14.6. Special precautions for user</b> <b>14.7.</b> <b>15.</b> Special precautions for user <b>16.1.</b> <b>17.</b> Transport <b>1</b> <b>17.</b> Transport <b>17.</b>		6
Transport hazard class(es) (RID):6.1Danger labels (RID):::VV::Packing group (ADR):IIIPacking group (MDC):IIIPacking group (MDC):IIIPacking group (IATA):IIIPacking group (RID):IIIPacking group (RID):IIIPacking group (RID):IIIPacking group (RDN)::14.5. Environmental hazards:Dangerous for the environment:NoOther information:No supplementary information available14.6. Special precautions for user:Overland transport:Classification code (ADR):Classification code (ADR):::Packing instructions (ADR):::<	ADN Transport hazard class(es) (ADN) Danger labels (ADN)	
Packing group (ADR) : III Packing group (IATA) : III Packing group (ATA) : III Packing group (ATA) : III Packing group (ADN) : III Packing group (ADN) : III <b>14.5. Environmental hazards</b> Dangerous for the environment : No Marine pollutant : No Other information : No supplementary information available <b>14.5. Special precautions for user</b> <b>Overland transport</b> Classification code (ADR) : T1 Limited quantities (ADR) : E1 Packing instructions (ADR) : E1 Packing instructions (ADR) : P001, IBC03, LP01, R001 Mixed packing provisions (ADR) : T7 Portable tank and bulk container instructions (ADR) : T12 Tank code (ADR) : L4BH Tank special provisions (ADR) : 2 Special provisions (ADR) : 2 Special provisions for carriage - Packages (ADR) : 2 Special provisions for carriage - Dackages (ADR) : 2 Special provisions for carriage - Dackages (ADR) : 2 Special provisions for carriage - Deackages (ADR) : 3 Bazard identification number (Kemler No.) : 60 Orange plates : Tunnel restriction code (ADR) : E	<b>RID</b> Transport hazard class(es) (RID) Danger labels (RID)	
Packing group (IMDG) : III Packing group (IATA) : III Packing group (ADN) : III Packing group (ADN) : III <b>14.5. Environmental hazards</b> Dangerous for the environment : No Marine pollutant : No Other information : No supplementary information available <b>14.6. Special proceutions for user</b> <b>Overland transport</b> Classification code (ADR) : T1 Limited quantities (ADR) : S1 Excepted quantities (ADR) : S1 Excepted quantities (ADR) : P001, IBC03, LP01, R001 Mixed packing provisions (ADR) : MP19 Portable tank and bulk container instructions (ADR) : T7 Portable tank and bulk container special provisions (ADR) : T7 Portable tank and bulk container special provisions (ADR) : T7 Portable tank and bulk container special provisions (ADR) : T7 Portable tank and bulk container special provisions (ADR) : T7 Portable tank and bulk container special provisions (ADR) : T7 Portable tank and bulk container special provisions (ADR) : T7 Portable tank and bulk container special provisions (ADR) : V12 (ADR) : L4BH Tank special provisions (ADR) : V12 Special provisions for carriage - Loading, unloading : CV13, CV28 and handling (ADR) : S9 Hazard identification number (Kemler No.) : 60 Orange plates : $60$ Orange plates : $60$ Tunnel restriction code (ADR) : E	14.4. Packing group	
Dangerous for the environment : No Marine pollutant : No Other information : No supplementary information available <b>14.6. Special precautions for user</b> <b>Overland transport</b> Classification code (ADR) : T1 Limited quantities (ADR) : 51 Excepted quantities (ADR) : E1 Packing instructions (ADR) : P001, IBC03, LP01, R001 Mixed packing provisions (ADR) : MP19 Portable tank and bulk container instructions (ADR) : T7 Portable tank and bulk container special provisions : TP2 (ADR) Tank code (ADR) : L4BH Tank special provisions (ADR) : T1519 Vehicle for tank carriage : AT Transport category (ADR) : 2 Special provisions for carriage - Acadges (ADR) : V12 Special provisions for carriage - Operation (ADR) : S9 Hazard identification number (Kemler No.) : 60 Orange plates : $60$ Orange plates : $60$ Tunnel restriction code (ADR) : E	Packing group (ADR) Packing group (IMDG) Packing group (IATA) Packing group (ADN) Packing group (RID)	: III : III : III
Marine pollutant:NoOther information:No supplementary information available <b>14.6. Special precautions for user</b> Overland transportClassification code (ADR):T1Limited quantities (ADR):5iExcepted quantities (ADR):E1Packing instructions (ADR):P001, IBC03, LP01, R001Mixed packing provisions (ADR):MP19Portable tank and bulk container instructions (ADR):T7Portable tank and bulk container special provisions:TP2(ADR):L4BHTank special provisions (ADR):1'U15, TE19Vehicle for tank carriage:A'TTransport category (ADR):V12Special provisions for carriage - Packages (ADR):V12Special provisions for carriage - Operation (ADR):60Orange plates: <b>60</b> Tunnel restriction code (ADR):E	14.5. Environmental hazards	
Overland transportImage: Time time time time time time time time t	Dangerous for the environment Marine pollutant Other information	: No
Classification code (ADR):T1Limited quantities (ADR):5Excepted quantities (ADR):E1Packing instructions (ADR):001, IBC03, LP01, R001Mixed packing provisions (ADR):MP19Portable tank and bulk container instructions (ADR):T7Portable tank and bulk container special provisions:TP2(ADR):L4BHTank code (ADR)::Vehicle for tank carriage:ATTransport category (ADR)::Special provisions for carriage - Packages (ADR):V12Special provisions for carriage - Packages (ADR):CV13, CV28and handling (ADR):S9Hazard identification number (Kemler No.):60Orange plates:60Itanker <td:< td="">:Tunnel restriction code (ADR):E</td:<>	14.6. Special precautions for user	
	Classification code (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Mixed packing provisions (ADR) Portable tank and bulk container instructions (ADR) Portable tank and bulk container special provisions (ADR) Tank code (ADR) Tank special provisions (ADR) Vehicle for tank carriage Transport category (ADR) Special provisions for carriage - Packages (ADR) Special provisions for carriage - Loading, unloading and handling (ADR) Special provisions for carriage - Operation (ADR) Hazard identification number (Kemler No.) Orange plates	: $5I$ : E1 : P001, IBC03, LP01, R001 : MP19 : T7 : TP2 : L4BH : TU15, TE19 : AT : 2 : V12 : CV13, CV28 : S9 : $60$ : $60$ 1888

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Transport by sea	
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	IBC03
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP2
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-A
Stowage category (IMDG)	: A
Stowage and handling (IMDG)	: SW2
Segregation (IMDG)	: SGG10
Properties and observations (IMDG)	: Colourless, volatile liquid.Boiling point: 61°C. Non-flammable. When involved in a fire, evolves extremely toxic fumes (phosgene). Toxic if swallowed, by skin contact or by
	inhalation. Anaesthetic.
MFAG-No	: 151
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y680
PCA limited quantity max net quantity (IATA)	: 2L
PCA packing instructions (IATA)	: 680
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 680
CAO max net quantity (IATA)	: 220L
ERG code (IATA)	: 6A
Inland waterway transport	
Classification code (ADN)	: T1
Special provisions (ADN)	: 802
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP, TOX, A
Ventilation (ADN)	: VE02
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: T1
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T7
Portable tank and bulk container special provisions	: TP2
(RID)	
Tank codes for RID tanks (RID)	: L4BH
Special provisions for RID tanks (RID)	: TU15
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading	: CW13, CW28, CW31
and handling (RID)	
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 60
14.7. Transport in bulk according to Annex	II of Marpol and the IBC Code

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

Not applicable

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### **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)**

EU restriction list (REACH Annex XVII)	
Reference code	Applicable on
3(b)	CHLOROFORM PRA
32.	CHLOROFORM PRA

### **REACH Annex XIV (Authorisation List)**

CHLOROFORM PRA is not on the REACH Annex XIV List

### REACH Candidate List (SVHC)

CHLOROFORM PRA is not on the REACH Candidate List

### **PIC Regulation (Prior Informed Consent)**

Chloroform 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.

### **POP Regulation (Persistent Organic Pollutants)**

CHLOROFORM PRA 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

### Ozone Regulation (1005/2009)

CHLOROFORM 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.

#### Explosives Precursors Regulation (2019/1148)

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.

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

### 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

Connaity			
	zard class (WGK) s Prohibition Ordinance (ChemVerbotsV)	<ul> <li>WGK 3, Highly hazardous to water (Classification according to AwSV; ID No. 54).</li> <li>This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the shipping route (according to § 10).</li> </ul>	
Hazardou	s Incident Ordinance (12. BImSchV)	: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)	
Netherlar	nds		
,	van kankerverwekkende stoffen van mutagene stoffen	<ul><li>The substance is not listed</li><li>The substance is not listed</li></ul>	

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SZW-lijst van reprotoxische stoffen – Borstvoeding SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: The substance is not listed : The substance is not listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	: CHLOROFORM is listed
Denmark	
Danish National Regulations	<ul> <li>Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product</li> </ul>
Switzerland	
Storage class (LK)	: LK 6.1 - Toxic materials
15.2. Chemical safety assessment	

No chemical safety assessment has been carried out

SECTION 16: Othe	er 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	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	

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Abbreviations and acronyms:		
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 disrupting properties	

Full text of H- and EUH-statements:		
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Carc. 2	Carcinogenicity, Category 2	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H351	Suspected of causing cancer.	
H361d	Suspected of damaging the unborn child.	
H372	Causes damage to organs through prolonged or repeated exposure.	
Repr. 2	Reproductive toxicity, Category 2	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1	

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.