

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Ref.: 460-260620-1 Issue date: 8/20/2021 Version: 3.0

<b>SECTION 1: Id</b>	entification of the subst	ance/mixture and of the	company/undertaking	
1.1. Product ide				
Product form		: Substance		
Substance name		: MONOMETHYLEMINE (MI	MA)	
Product code		: 460-260620-1		
Formula		<sup>:</sup> CH <sub>5</sub> N		
1.2. Relevant ide	entified uses of the substa	nce or mixture and uses ad	vised against	
1.2.1. Relevant ide	entified uses			
Use of the substand	ce/mixture	: Pharmaceuticals		
		Photography		
		Surfactants		
		Solvents		
		Explosive Materials		
1.2.2. Uses advise	d against			
No additional inform	•			
1.3. Details of the supplier of the safety data sheet				
Akkim Kimya Sanayi ve Tic. A.Ş.				
	Merkez Mahallesi, Ák-Kim Sokák 7 77600			
77600 T +90 226 815 33 00 - F +90 226 353 25 39				
www.akkim.com.tr	0 - 1 - 50 220 555 25 55			
1.4. Emergency	telephone number			
Emergency number		+90 226 815 33 00/33112		
Country	Organisation/Company	Address	Emergency number	Comment
Turkey	Ulusal Zehir Merkezi (UZEM)	Cemal Gürsel Cd. No: 18	114	Information is provided to
	Refik Saydam Hıfzıssihha Merkezi Başkanlığı	Sıhhiye Çankaya		public and medical personnel on poisoning incidents via
	Montozi Başıtarmışı	06590 Ankara		114.
			1	1

SECTION 2: Hazards identification		
2.1. Classification of the substance or mixture		
Classification according to Regulation (EC) No. 1272/2008 [CLI	ני	
Flammable gases, Category 1	H220	
Acute toxicity (inhalation:gas) Category 4	H332	
Skin corrosion/irritation, Category 1	H314	
Serious eye damage/eye irritation, Category 1	H318	
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335	
Full text of H statements : see section 16		
Full text of H statements : see section 16 Adverse physicochemical, human health and environmental ef	ects	

Causes severe skin burns and eye damage. Extremely flammable gas. Harmful if inhaled. May cause respiratory irritation. Causes serious eye damage.

## 2.2. Label elements

Labelling according to Regulation (EC) No. 127	2/2008 [CLP]			
Hazard pictograms (CLP)			$\diamondsuit$	
	GHS02	GHS05	GHS07	

Signal word (CLP) Hazard statements (CLP)

- : Danger
- : H220 Extremely flammable gas.
- H314 Causes severe skin burns and eye damage.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

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Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264 - Wash hands, forearms and face thoroughly after handling.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P302+P352 - IF ON SKIN: Wash with plenty of water.
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
	contact lenses, if present and easy to do. Continue rinsing.
	P410+P403 - Protect from sunlight. Store in a well-ventilated place.

## 2.3. Other hazards

No additional information available

SECTION 3: Composition/information or	ingredients		
3.1. Substances Name	: MONOMETHYLEMINE (MMA)		
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Mono-methylamine	(CAS-No.) 74-89-5 (EC-No.) 200-820-0 (EC Index-No.) 612-001-00-9	99.65	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
Specific concentration limits:		<u>.</u>	·
Name	Product identifier	Specific con	centration limits
Mono-methylamine	(CAS-No.) 74-89-5 (EC-No.) 200-820-0 (EC Index-No.) 612-001-00-9	( 5 = <c <="100&lt;br">( 5 =<c <="100&lt;/td"><td>Eye Irrit. 2, H319 )) Skin Irrit. 2, H315 )) Eye Dam. 1, H318 )) STOT SE 3, H335</td></c></c>	Eye Irrit. 2, H319 )) Skin Irrit. 2, H315 )) Eye Dam. 1, H318 )) STOT SE 3, H335

## Full text of H-statements: see section 16

3.2. Mixtures Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Call a physician immediately. Never give anything by mouth to an unconscious person. People with over sensibility problems are not allowed to work or be exposed to the product. In all cases of doubt, or when symptoms persist, seek medical attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Take off immediately all contaminated clothing. Call a physician immediately. Rinse skin with water/shower.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.
4.2. Most important symptoms and effects	s, both acute and delayed
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.
<b>4.3. Indication of any immediate medical a</b> Treat symptomatically.	attention and special treatment needed

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media	: Water spray. dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Dry powder. Foam.	/
Unsuitable extinguishing media	: Strong water jet.	
5.2. Special hazards arising from the substa	ance or mixture	
Fire hazard	: Extremely flammable gas.	
Reactivity in case of fire	: At high temperature may liberate dangerous gases.	
Hazardous decomposition products in case of fire	: Toxic fumes may be released.	
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5.3. Advice for firefighters	
Precautionary measures fire	: Approach from upwind. Use water spray or fog for cooling exposed containers. Keep away from combustible materials.
Firefighting instructions	: Eliminate all ignition sources if safe to do so. Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Use water spray or fog for cooling exposed containers. Cool adjacent tanks / containers / drums with water jet. Do not allow water to enter the vessels, a violent reaction may occur. Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Keep upwind. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: High temperature decomposition products are harmful by inhalation. Inhalation of vapour can cause breathing difficulties.

SECTION 6: Accidental release measur				
6.1. Personal precautions, protective equipment and emergency procedures				
General measures	: Eliminate every possible source of ignition. Access forbidden to unauthorised personnel. Use protective clothing. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Notify authorities if product enters sewers or public waters. Use care in walking on spilled material. Do not inhale vapour.			
6.1.1. For non-emergency personnel				
Protective equipment	: Wear recommended personal protective equipment. Dust formation: dust mask. Wear suitable protective clothing, gloves and eye or face protection.			
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. No open flames, no sparks, and no smoking. Do not touch or walk on the spilled product. Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel.			
Measures in case of dust release	: In case of dust production: protective goggles. Dust mask. In case of vapour formation use adequate respirator.			
6.1.2. For emergency responders				
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Only qualified personnel equipped with suitable protective equipment may intervene. Wear suitable protective clothing, gloves and eye/face protection.			
Emergency procedures	: Avoid contact with skin and eyes. Do not touch spilled material. Evacuate unnecessary personnel. Keep away from combustible material. Keep public away from danger area. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Ventilate area. Stop leak if safe to do so.			
6.2. Environmental precautions				
	ter drains or water courses. Do not discharge into drains or waterways without neutralizing.			
6.3. Methods and material for containment				
For containment	: Comply with the safety intructions. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.			
Methods for cleaning up	: Notify authorities if product enters sewers or public waters. Clean up any spills as soon as possible, using an absorbent material to collect it. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Sweep or shovel spills into appropriate container for disposal. Minimise generation of dust.			
Other information	: Dispose of materials or solid residues at an authorized site. Dispose of contaminated materials in accordance with current regulations.			
6.4 Reference to other sections				

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13. For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Use adequate ventilation to keep vapour concentrations below applicable standard. Take all necessary technical measures to avoid or minimize the release of the product on the workplace.

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Precautions for safe handling	: Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Eliminate all ignition sources if safe to do so. Use only outdoors or in a well-ventilated area. Avoid dust formation. Avoid prolonged and
	repeated contact with skin. Contaminated work clothing should not be allowed out of the workplace. Do not spray on an open flame or other ignition source. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Keep valves and fittings free from oil and grease. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Take precautionary measures against static discharge.
Hygiene measures	: 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	: Comply with applicable regulations. Containers which are opened should be properly resealed and kept upright to prevent leakage. Ensure adequate ventilation, especially in confined areas.
Storage conditions	: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Incompatible products	: Strong acids. Strong bases. Strong oxidizing agents. Peroxides. Explosives.
Incompatible materials	: Extremely high or low temperatures.
Heat and ignition sources	: Do not smoke. KEEP SUBSTANCE AWAY FROM: ignition sources. heat sources.
Information on mixed storage	: Keep away from food, drink and animal feeding stuffs.
Storage area	: Avoid: Extremely high or low temperatures. Heat and ignition sources.
7.3. Specific end use(s)	
No additional information available	

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
No additional information available
8.2. Exposure controls
Appropriate engineering controls:

Ensure good ventilation of the work station. Avoid contact with skin, eyes and clothing. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Consider work permit system e.g. for maintenance activities. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. In the event that dust and/or fine particles are generated with this product, it is prudent to minimize prolonged inhalation exposure to these forms not to exceed the occupational exposure limit. Measure concentrations regularly, and at the time of any change occuring in conditions likely to have consequences on workers exposure.

## Personal protective equipment:

Gloves. Safety glasses. Gas mask. Heatproof clothing.

### Hand protection:

Protective gloves. EN 374

### Eye protection:

Safety glasses. EN 166. Where excessive dust may result, wear goggles. Safety glasses

### Skin and body protection:

Wear suitable protective clothing. In case of dust production: dustproof clothing. In case of dust production: head/neck protection. Where contact with eyes or skin is likely, wear suitable protection

### **Respiratory protection:**

[In case of inadequate ventilation] wear respiratory protection. Dust production: dust mask with filter type P1. Where excessive vapour may result, wear approved mask

### Personal protective equipment symbol(s):



### Environmental exposure controls:

Avoid release to the environment.

### Consumer exposure controls:

Do not eat, drink or smoke during use. Always wash hands after handling the product. Avoid contact with skin and eyes. Avoid contact during pregnancy/while nursing.

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## Other information:

Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
Physical state	: Gas		
Appearance	: Compressed liquefied gas		
Molecular mass	: 31.06 g/mol		
Colour	: Colorless		
Odour	: Ammonia-like		
Odour threshold	: No data available		
рН	: 14 (1% aq. Solution, @ 20°C)		
Relative evaporation rate (butylacetate=1)	: No data available		
Melting point	: No data available		
Freezing point	: -93 °C @ 101.325 kPa		
Boiling point	: -6.5 °C @ 101.325 kPa		
Flash point	: -14 °C @ 101.325 kPa		
Auto-ignition temperature	: 430 °C @ 101.325 kPa		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: Extremely flammable gas.		
Vapour pressure	: 314 kPa @ 20°C		
Relative vapour density at 20 °C	: 1.08 (air:1)		
Relative density	: No data available		
Density	: 0.662 g/cm³ @ 20°C		
Solubility	: Water: 1080 g/l		
Log Pow	: -0.713 (@ 25°C, pH=11.1 - 11.4)		
Viscosity, kinematic	: 0.356 mm²/s		
Viscosity, dynamic	: 0.236 mPa·s		
Explosive properties	: No data available		
Oxidising properties	: No data available		
Lower explosive limit (LEL)	: 4.9 vol %		
Upper explosive limit (UEL)	: 20.8 vol %		
9.2. Other information			
Surface tension mN/m @ 25°C	: 19.15		
Volatile component	: 100 vol.%		

SECTION 10: Stability and reactivity
10.1. Reactivity
Extremely flammable gas.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
10.5. Incompatible materials
Strong acids. Strong bases. Strong oxidizing agents. Peroxides. Explosives.
10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

: Not classified
: Not classified
: Harmful if inhaled.
698 mg/kg

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LC50 inhalation rat (mg/l)	4589 mg/m <sup>3</sup>
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
	pH: 14 (1% aq. solution, @ 20°C)
Serious eye damage/irritation	: Causes serious eye damage.
	pH: 14 (1% aq. solution, @ 20°C)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
MONOMETHYLEMINE (MMA)	
Viscosity, kinematic	0.356 mm²/s

SECTION 12: Ecological information	
12.1. Toxicity	. Defere neutralization, the product movement a depres to equatio provide movement
	: Before neutralisation, the product may represent a danger to aquatic organisms.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified
Mono-methylamine (74-89-5)	
LC50 fish 1	711 mg/l
EC50 Daphnia 1	163 mg/l
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
MONOMETHYLEMINE (MMA)	
Log Pow	-0.713 (@ 25°C, pH=11.1 - 11.4)
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Other adverse effects No additional information available	
SECTION 13: Disposal considerations	

13.1. Waste treatment methods	
Regional legislation (waste)	: Disposal must be done according to official regulations. Waste Management Regulation published in the Official Journal numbered 29314 on April 2, 2015. Regulation on Incineration of Waste Materials published in the Official Journal numbered 27721 on October 6, 2010.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions. Do not remove as household garbage.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

SECTION 14: Transpo	ort information			
In accordance with ADR / RID / IMDG / IATA / ADN				
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
UN 1061	UN 1061	UN 1061	UN 1061	UN 1061

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	. ,	<b>0</b> ( )		
14.2. UN proper shipping	name			
METHYLAMINE, ANHYDROUS	METHYLAMINE, ANHYDROUS	Methylamine, anhydrous	METHYLAMINE, ANHYDROUS	METHYLAMINE, ANHYDROUS
Transport document descrip	otion		·	
UN 1061 METHYLAMINE, ANHYDROUS, 2.1, (B/D)	UN 1061 METHYLAMINE ANHYDROUS, 2.1	, UN 1061 Methylamine, anhydrous, 2.1	UN 1061 METHYLAMINE, ANHYDROUS, 2.1	UN 1061 METHYLAMINE ANHYDROUS, 2.1
14.3. Transport hazard cla	ass(es)		1	<u> </u>
2.1	2.1	2.1	2.1	2.1
	*	2		
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haza	ırds	-	1	ļ
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	•	1	1	1
14.6. Special precautions				
Overland transport				
Classification code (ADR)	::	2F		
Special provisions (ADR)	: (	662		
Limited quantities (ADR)	: (	0		
Excepted quantities (ADR)	:	EO		
Packing instructions (ADR)	:	P200		
Mixed packing provisions (ADI		MP9		
Portable tank and bulk contain (ADR)	,	(M), T50		
Tank code (ADR)	:	PxBN(M)		
Tank special provisions (ADR)	) :	TA4, TT9		
Vehicle for tank carriage		FL		
Transport category (ADR)	::			
Special provisions for carriage unloading and handling (ADR)	- Loading, :	CV9, CV10, CV36		
Special provisions for carriage		S2, S20		
Hazard identification number (		23		
Orange plates	:	23 1061		
Tunnel restriction code (ADR)	:	B/D		
Transport by sea				
Limited quantities (IMDG)	: (	0		
Excepted quantities (IMDG)		EO		
Packing instructions (IMDG)		200 P200		
		7200 T50		
Tank instructions (IMDG)		F-D		
EmS-No. (Fire)				
EmS-No. (Spillage)		S-U		
Stowage category (IMDG)	:			
Stowage and handling (IMDG)	) ::	SW2	, ···	
<b>B</b> <i>H</i> <b>H H</b>			n ammonia-like odour. Heavie	r than air (1.00)
	MDG) : I	Liquefied, flammable gas with a	in animonia-like odour. Heavie	a than an (1.0 <i>9</i> ).
Properties and observations (I Air transport PCA Excepted quantities (IAT/		Liquefied, flammable gas with a		a than an (1.09).

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	is amenument regulation (LO) 2010/0
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: Forbidden
PCA max net quantity (IATA)	: Forbidden
CAO packing instructions (IATA)	: 200
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A1
ERG code (IATA)	: 10L
Inland waterway transport	
Classification code (ADN)	: 2F
Special provisions (ADN)	: 662
Limited quantities (ADN)	: 0
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	:1
Rail transport	
Classification code (RID)	: 2F
Special provisions (RID)	: 662
Limited quantities (RID)	: 0
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P200
Mixed packing provisions (RID)	: MP9
Portable tank and bulk container instructions (RID)	: T50(M)
Tank codes for RID tanks (RID)	: PxBN(M)
Special provisions for RID tanks (RID)	: TU38, TE22, TA4, TT9, TM6
Transport category (RID)	: 2
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW10, CW36
Colis express (express parcels) (RID)	: CE3
Hazard identification number (RID)	: 23

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

No REACH Annex XVII restrictions

MONOMETHYLEMINE (MMA) is not on the REACH Candidate List

MONOMETHYLEMINE (MMA) is not on the REACH Annex XIV List

MONOMETHYLEMINE (MMA) is not 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.

MONOMETHYLEMINE (MMA) 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

## 15.1.2. National regulations

### Germany

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

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

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ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
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
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative
Data sources :	Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013. ECHA (European Chemicals Agency). Supplier's safety documents.
Other information :	The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-stateme	ints:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 4	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Gas 1	Flammable gases, Category 1	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
Skin Corr. 1	Skin corrosion/irritation, Category 1	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	
H220	Extremely flammable gas.	
H280	Contains gas under pressure; may explode if heated.	
H314	Causes severe skin burns and eye damage.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
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H335 May cause respiratory irritation.

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The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable