

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Ref.: 325-280420-1 Issue date: 8/24/2021 Version: 3.0

SECTION 1: Id	entification of the subst	ance/mixture and of the	company/undertaking	
1.1. Product ide				<i>,</i>
Product form		: Substance		
Substance name		: TRIMETHYLAMINE (TMA)		
Product code		: 325-280420-1		
Formula		[:] C ₃ H ₉ N		
1.2. Relevant identified uses of the substance or mixture and uses advised against				
1.2.1. Relevant ide	entified uses			
Use of the substan	ed against	: Catalyst in proseses In resins Disinfecting agent Flotation agent Chlorine salts		
Akkim Kimya Sana Merkez Mahallesi, 77600 T +90 226 815 33 (www.akkim.com.tr 1.4. Emergency	Ak-Kim Sokak 7 00 - F +90 226 353 25 39 telephone number			
Emergency numbe	r	: +90 226 815 33 00/33112		
Country	Organisation/Company	Address	Emergency number	Comment
Turkey	Ulusal Zehir Merkezi (UZEM) Refik Saydam Hıfzıssıhha Merkezi Başkanlığı	Cemal Gürsel Cd. No: 18 Sıhhiye Çankaya 06590 Ankara	114	Information is provided to public and medical personnel on poisoning incidents via 114.
2.1. Classification	azards identification on of the substance or mix ording to Regulation (EC) No.			

Classification according to Regulation (EC) No. 1272/2008 [CLF	1
Flammable gases, Category 1	H220
Acute toxicity (inhalation:gas) Category 4	H332
Skin corrosion/irritation, Category 2	H315
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	

Adverse physicochemical, human health and environmental effects Extremely flammable gas. Harmful if inhaled. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage. 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2 Hazard pictograms (CLP)	
	GHS02 GHS05 GHS07
Signal word (CLP)	: Danger
Hazard statements (CLP)	: H220 - Extremely flammable gas. H315 - Causes skin irritation. H318 - Causes serious 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. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of 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. P410+P403 - Protect from sunlight. Store in a well-ventilated place.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on 3.1. Substances Name	: TRIMETHYLAMINE (TMA)		
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Trimethylamine (TMA)	(CAS-No.) 75-50-3 (EC-No.) 200-875-0	>= 98.97	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

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	: 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. 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. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
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	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and effects, b	oth acute and delayed
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Serious damage to eyes.

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

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Water spray. Dry powder. Foam.
Unsuitable extinguishing media	: Strong water jet.
5.2. Special hazards arising from the substan	nce 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.
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	: 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. Eliminate all ignition sources if safe to do so. Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

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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 measures		
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. 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. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.	
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. Only qualified personnel equipped with suitable protective equipment may intervene. Wear suitable protective clothing, gloves and eye/face protection. For further information refer to section 8: "Exposure controls/personal 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 a		
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	: 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. Notify authorities if product enters sewers or public waters.	
Other information	: Dispose of contaminated materials in accordance with current regulations. Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		

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.
Precautions for safe handling	: 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. 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 breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
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 an	y 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 in a well-ventilated place. Store locked up. Keep container tightly closed. Keep cool.
Incompatible products	: Strong acids. Strong bases. Strong oxidizing agents. Peroxides. Explosives.
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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:

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. Ensure good ventilation of the work station.

Personal protective equipment:

Gloves. Safety glasses. Heatproof clothing. Gas mask.

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:

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

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.

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 che	mical properties		
Physical state	: Gas		
Molecular mass	: 59.11 g/mol		
Colour	: Colorless		
Odour	: Rotten egg		
Odour threshold	: No data available		
рН	: 11.2 (40%)		
Relative evaporation rate (butylacetate=1)	: No data available		
Melting point	: No data available		
Freezing point	: -117 °C @ 101.325 kPa		
Boiling point	: 3.5 °C @ 101.325 kPa		
Flash point	: -6.6 °C @ 101.325 kPa		

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Auto-ignition temperature	: 190 °C @ 101.325 kPa
Decomposition temperature	: No data available
Flammability (solid, gas)	: Extremely flammable gas.
Vapour pressure	: 91 - 227 kPa @ 0 - 25°C
Relative vapour density	: 2.09 (Air:1)
Relative density	: No data available
Density	: 0.627 g/cm³ @ 25°C
Solubility	: Water: 410 - 890 g/l @ 19 - 30 °C
Log Pow	: -3.5 / -1.89 n-oktanol/water (@ 25°C, pH=7.0 - 10.1)
Viscosity, kinematic	: 0.823 mm²/s
Viscosity, dynamic	: 0.516 mPa·s
Explosive properties	: No data available
Oxidising properties	: No data available
Lower explosive limit (LEL)	: 2 vol %
Upper explosive limit (UEL)	: 11.6 vol %
9.2. Other information	
Surface tension mN/m @ 20°C	: 14.2
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.

SECTION 11: Toxicological informati		
11.1. Information on toxicological effects		
Acute toxicity (oral)	: Not classified	
Acute toxicity (dermal)	: Not classified	
Acute toxicity (inhalation)	: Harmful if inhaled.	
TRIMETHYLAMINE (TMA)		
LD50 oral	766 mg/kg	
LD50 dermal	5000 mg/kg	
LC50 inhalation rat (mg/l)	8.6	

Trimethylamine (TMA) (75-50-3)		
LD50 oral rat	766 mg/kg	
LD50 dermal rat	> 5000 mg/kg	
Skin corrosion/irritation	Causes skin irritation.	
	pH: 11.2 (40%)	
Serious eye damage/irritation	: Causes serious eye damage.	
	pH: 11.2 (40%)	
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	

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Trimethylamine (TMA) (75-50-3)		
LOAEC (inhalation, rat, gas, 90 days)	74 ppm	
LOAEC (inhalation, rat,dust/mist/fume, 90 days)	0.025 mg/l air	
Aspiration hazard	: Not classified	
TRIMETHYLAMINE (TMA)		
Viscosity, kinematic	0.823 mm²/s	

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 (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.
TRIMETHYLAMINE (TMA)	
LC50 fish 1	> 100 mg/l
EC50 other aquatic organisms 1	28 mg/l

Trimethylamine (TMA) (75-50-3)		
EC50 Daphnia 1	139.95 mg/l	
EC50 72h algae (1)	150 mg/l	
EC50 72h algae (2)	90.6 mg/l	
12.2. Persistence and degradability No additional information available		
12.3. Bioaccumulative potential		
TRIMETHYLAMINE (TMA)		
Log Pow	-3.5 / -1.89 n-oktanol/water (@ 25°C, pH=7.0 - 10.1)	
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	: Do not remove as household garbage. Dispose of contents/container in accordance with licensed collector's sorting instructions.
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: Transport information In accordance with ADR / RID / IMDG / IATA / ADN				
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
UN 1083	UN 1083	UN 1083	UN 1083	UN 1083
14.2. UN proper shipping name				
TRIMETHYLAMINE, ANHYDROUS	TRIMETHYLAMINE, ANHYDROUS	Trimethylamine, anhydrous	TRIMETHYLAMINE, ANHYDROUS	TRIMETHYLAMINE, ANHYDROUS
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Transport document descri	ption				
UN 1083 TRIMETHYLAMINE, ANHYDROUS, 2.1, (B/D)	UN 1083 TRIMETHYLAMINE, ANHYDROUS, 2.1	UN 1083 Trimethylamine, anhydrous, 2.1	UN 1083 TRIMETHYLAMINE, ANHYDROUS, 2.1	UN 1083 TRIMETHYLAMINE, ANHYDROUS, 2.1	
14.3. Transport hazard c	lass(es)				
2.1	2.1	2.1	2.1	2.1	
14.4. Packing group		•			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental haza	ards				
Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the	
environment : No	environment : No Marine pollutant : No	environment : No	environment : No	environment : No	
No supplementary information	n available				
14.6. Special precautions	s for user				
Overland transport					
Classification code (ADR)		: 2F			
Special provisions (ADR)		: 662			
Limited quantities (ADR)		: 0			
Excepted quantities (ADR)		: E0			
Packing instructions (ADR)		: P200			
Mixed packing provisions (AD	DR)	MP9			
Portable tank and bulk contai (ADR)	ner instructions	: (M), T50			
		: PxBN(M)			
Tank special provisions (ADR		TA4, TT9			
Vehicle for tank carriage		: FL			
Transport category (ADR)		: 2			
Special provisions for carriage unloading and handling (ADR	2)	: CV9, CV10, CV36			
Special provisions for carriage	,	: S2, S20			
Hazard identification number	(Kemler No.)	: 23			
Orange plates		23 1083			
Tunnel restriction code (ADR))	: B/D			
Transport by sea					
Limited quantities (IMDG)		: 0			
Excepted quantities (IMDG)		: E0			
Packing instructions (IMDG)		: P200			
Tank instructions (IMDG)		: T50			
EmS-No. (Fire)		: F-D			
EmS-No. (Spillage)		: S-U			
Stowage category (IMDG)		: В			
Stowage and handling (IMDG	6)	: SW2			
Properties and observations ((IMDG)	: Liquefied, flammable gas with a than air (2.1). Boiling point: 3°C.		2% to 12% Much heavier	
Air transport					
PCA Excepted quantities (IA1	ГА)	: E0			
PCA Limited quantities (IATA)	: Forbidden			
PCA Limited quantities (IATA PCA limited quantity max net		: Forbidden : Forbidden			

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according to Regulation (EC) No. 1907/2000 (REACH) wi	in its amenument Regulation (EO) 2015/650
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
Carriage permitted (ADN)	: T
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 Anne	x 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

TRIMETHYLAMINE (TMA) is not on the REACH Candidate List

TRIMETHYLAMINE (TMA) is not on the REACH Annex XIV List

TRIMETHYLAMINE (TMA) 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.

TRIMETHYLAMINE (TMA) 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 : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance) Immission Control Act - 12.BImSchV

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	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
DMEL	Derived Minimal Effect level	
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DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	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
PBT	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-statements:		
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	
Flam. Gas 1	Flammable gases, Category 1	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
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.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	

SDS EU (REACH Annex II)

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