

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Issue date: 7/26/2021 Revision date: 7/27/2021 Supersedes version of: 7/26/2021 Version: 7.4

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

### **1.1. Product identifier**

Product form	: Mixture
Trade name	: GLUSHU QUICK PREFIX ACTIVATOR 200CC
UFI	: 6GY8-KU1G-XNJ2-G89V
Product code	: 490101100
Vaporizer	: aerosol

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

#### 1.2.1. Relevant identified uses

Main use category Use of the substance/mixture : Professional use

: Solvent Based Activator for Cyanoacrylate Adhesive

#### 1.2.2. Uses advised against

No additional information available

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

Glue-U Adhesives B.V. Droogdokkeneiland 8 5026 SR Tilburg - Nederland T 013 - 545 3118 <u>sales@glue-u.com</u>

#### 1.4. Emergency telephone number

No additional information available

## **SECTION 2: Hazards identification**

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

# Classification according to Regulation (EC) No. 1272/2008 [CLP]Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Aerosol, Category 1	H222;H229
Skin corrosion/irritation, Category 2	H315
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411
Full tout of LL statements, and postion 16	

Full text of H-statements: see section 16

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

Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]		
Hazard pictograms (CLP)		
	GHS02 GHS07 GHS09	
Signal word (CLP)	: Danger	
Contains	<ul> <li>ISOPENTANE; HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, &lt;5%</li> <li>N-HEXANE</li> </ul>	
Hazard statements (CLP)	: H222 - Extremely flammable aerosol. H229 - Pressurised container: May burst if heated.	

## Safety Data Sheet

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

	H315 - Causes skin irritation.
	H336 - May cause drowsiness or dizziness.
	H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211 - Do not spray on an open flame or other ignition source.
	P251 - Do not pierce or burn, even after use.
	P261 - Avoid breathing dust, gas, fume, mist, spray, vapours.
	P280 - Wear eye protection, face protection, protective gloves.
	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122
	°F.
2.3. Other hazards	

Other hazards which do not result in classification

: In case of insufficient ventilation and / or use, the formation of an explosive / extremely flammable mixture is possible.

The mixture does not contain substance(s) 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

## No data available

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE substance with a Community workplace exposure limit	EC-No.: 921-024-6 REACH-no: 01-2119475514- 35	40 – 65	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411
PETROLEUM GASES, LIQUEFIED < 0,1% 1,3- butadiene; buta-1,3-diene	CAS-No.: 68476-85-7 EC-No.: 270-704-2 EC Index-No.: 649-202-00-6 REACH-no: 01-2119485911- 31	20 – 40	Flam. Gas 1, H220 Press. Gas (Comp.), H280
HYDROCARBONS, C6, ISOALKANES, <5% N- HEXANE .	EC-No.: 931-254-9 REACH-no: 01-2119484651- 34	5 – 20	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
N,N-dimethyl-p-toluidine	CAS-No.: 99-97-8 EC-No.: 202-805-4 EC Index-No.: 612-056-00-9 REACH-no: 01-2119937766- 23	0.3 – 1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation:gas), H330 STOT RE 2, H373 Aquatic Chronic 3, H412
ISOPENTANE	CAS-No.: 78-78-4 EC-No.: 201-142-8	0.1 – 0.3	Flam. Liq. 1, H224 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

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

# Safety Data Sheet

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: Move the affected person away from the contaminated area and into the fresh air. Move, if possible without risk to your own safety. If experiencing respiratory symptoms: Sit upright. If breathing is difficult, give oxygen. Call a doctor.
First-aid measures after skin contact	: Remove contaminated clothing and shoes. Rinse with plenty of water. Do not remove clothing (since it may stick to the skin). Rinse and then wash skin thoroughly with water and soap.
First-aid measures after eye contact First-aid measures after ingestion	<ul> <li>Immediately flush eyes thoroughly with water for at least 15 minutes.</li> <li>Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.</li> </ul>
4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/effects Symptoms/effects after inhalation	<ul> <li>Immediate effects can be expected after short-term exposure.</li> <li>May cause drowsiness or dizziness. Mental confusion. May cause shortness of breath, tightness of the chest, a sore throat and cough.</li> </ul>
Symptoms/effects after skin contact	: Skin irritation and erythema. Prolonged or repeated contact may cause skin to become dry. May cause skin irritation / dermatitis.
Symptoms/effects after eye contact Symptoms/effects after ingestion	<ul> <li>May cause eye irritation. Redness.</li> <li>Irritation to throat. May cause stomach cramps and vomiting.</li> </ul>

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

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media Unsuitable extinguishing media	<ul> <li>Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Cool containers / tanks with spray water if possible.</li> <li>Do not use water jet.</li> </ul>
5.2. Special hazards arising from the subst	tance or mixture
Fire hazard Hazardous decomposition products in case of fire	<ul> <li>Extremely flammable aerosol. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.</li> <li>On burning: release of (highly) toxic gases/vapours. Carbon dioxide. carbon monoxide. Nitrogen oxides.</li> </ul>
5.3. Advice for firefighters	
Protection during firefighting Other information	<ul> <li>Do not enter fire area without proper protective equipment, including respiratory protection.</li> <li>Self-contained breathing apparatus.</li> <li>Avoid contact with skin, eyes and clothing.</li> </ul>

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		

General measures

: Remove all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorized personnel. For further information refer to section 8: "Exposure controls/personal protection".

### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

### Do not discharge into drains or rivers.

## Safety Data Sheet

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

6.3. Methods and material for containment and cleaning up		
Methods for cleaning up	: Absorb spilled material with sand or earth. Shovel into suitable and closed container for disposal. Collect up the product and place it in a spare container suitably labelled. Use non-sparking tools.	
6.4. Reference to other sections		

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and stora	age	
7.1. Precautions for safe handling		
Precautions for safe handling	: Avoid all contact with skin, eyes, or clothing. Use only outdoors or in a well-ventilated area. Do not manipulate the product in a confined space. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions	: Keep only in the original container in a cool, well-ventilated place. Keep away from ignition sources. Protect from sunlight. Use explosion-proof electrical, ventilating and lighting equipment.	
Incompatible materials Special rules on packaging	<ul><li>Strong oxidizing agents.</li><li>Keep only in original container.</li></ul>	
7.3. Specific end use(s)		

No data available.

SECTION 8: Exposure controls/personal protection		
8.1. Control parameters		
8.1.1. National occupational exposure and biological limit values		
ISOPENTANE (78-78-4)		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	3000 mg/m <sup>3</sup>	
HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE		
EU - Indicative Occupational Exposure Limit (IOEL)		
IOEL TWA	2035 mg/m³	
IOEL STEL	1000 mg/m <sup>3</sup>	

#### 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

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	773 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2035 mg/m³

## Safety Data Sheet

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

HYDROCARBONS, C6-C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE			
DNEL/DMEL (General population)			
Long-term - systemic effects,oral 699 mg/kg bodyweight/day			
Long-term - systemic effects, inhalation 608 mg/m <sup>3</sup>			
Long-term - systemic effects, dermal	699 mg/kg bodyweight/day		
HYDROCARBONS, C6, ISOALKANES, <5% N-HEXANE .			
DNEL/DMEL (Workers)			
Long-term - systemic effects, dermal 13964 mg/kg bodyweight/day			
Long-term - systemic effects, inhalation 5306 mg/m <sup>3</sup>			
DNEL/DMEL (General population)			
Long-term - systemic effects,oral 1307 mg/kg bodyweight/day			
Long-term - systemic effects, inhalation 1131 mg/m <sup>3</sup>			
Long-term - systemic effects, dermal 1377 mg/kg bodyweight/day			

#### 8.1.5. Control banding

#### No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure adequate air ventilation. Use explosion-proof equipment/ventilating/lighting.

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

### Eye protection:

Chemical goggles or safety glasses

### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
VITON gloves	Butyl rubber, Nitrile rubber (NBR)	6 (> 480 minutes)		Time of penetration is to be checked with the glove producer, > 4h	EN ISO 374

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Filter mask for gases, vapors and small particles. Filter A2/P3

#### 8.2.2.4. Thermal hazards

#### Thermal hazard protection:

No information available.

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

See Heading 6.

# Safety Data Sheet

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

SECTION 9: Physical and chemical properties			
9.1. Information on basic physical and chemical properties			
Physical state	: Gas		
Colour	: Colourless.		
Odour	: paraffinic.		
Odour threshold	Not available		
Melting point	: No data available		
Freezing point	: No data available		
Boiling point	: -40 °C		
Flammability	: <1%		
Oxidising properties	: Non oxidizing material according to EC criteria.		
Explosive limits	: Not available		
Lower explosive limit (LEL)	: Not available		
Upper explosive limit (UEL)	: 9.5		
Flash point	: -40 °C		
Auto-ignition temperature	: 410 °C		
Decomposition temperature	: Not available		
рН	: n/a		
Viscosity, kinematic	: 0,36cSt		
Solubility	: Soluble in ligroin.		
	Water: Insoluble in water		
Partition coefficient n-octanol/water (Log Kow)	: ≈ 3.7		
Vapour pressure	: Not available		
Vapour pressure at 50 °C	: Not available		
Density	: No data available		
Relative density	: 0,71		
Relative vapour density at 20 °C	: Not available		
Particle size	: No data available		
Particle size distribution	: No data available		
Particle shape	: No data available		
Particle aspect ratio	: No data available		
Particle aggregation state	: No data available		
Particle agglomeration state	: No data available		
Particle specific surface area Particle dustiness	: No data available : No data available		
9.2. Other information			
9.2.1. Information with regard to physical hazar	d classes		
% of flammable ingredients	:		
9.2.2. Other safety characteristics			
Relative evaporation rate (water=1)	: Fast		

Relative evaporation rate (water=1)	:	Fast
Viscosity	:	Not Viscous
Viscosity, value	:	0.36

# **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

Stable when applying the recommended regulations for storage and handling.

10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions under normal transport or storage conditions.

## Safety Data Sheet

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

### 10.4. Conditions to avoid

Do not expose to heat. hot surfaces, naked flames. Ignition sources. Direct sunlight.

#### **10.5. Incompatible materials**

Strong oxidizing agents.

10.6. Hazardous decomposition products

Decomposition may occur upon exposure to above materials or conditions of. On burning: release of (highly) toxic gases/vapours. Carbon dioxide. carbon monoxide. Nitrogen oxides.

SECTION 11: Toxicological information				
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008				
Acute toxicity (oral): Not classified (Based on available data, the classification criteria are not met)Acute toxicity (dermal): Not classified (Based on available data, the classification criteria are not met)Acute toxicity (inhalation): Based on available data, the classification criteria are not met				
N,N-dimethyl-p-toluidine (99-97-8)				
LD50 dermal rabbit	2000 mg/kg			
LD50 dermal	212 mg/kg Sparrow IPR:			
LC50 Inhalation - Rat (Vapours)	1.4 mg/l/4h			
HYDROCARBONS, C6-C7, N-ALKANES, ISOA	LKANES, CYCLICS, <5% N-HEXANE			
LD50 oral	5001 mg/kg LD50 oral rat			
LD50 dermal	2001 mg/kg LD50 dermal rabbit			
LC50 Inhalation - Rat (Vapours)	LC50 Inhalation - Rat (Vapours): 4h 5840 mg/kg			
HYDROCARBONS, C6, ISOALKANES, <5% N	HEXANE .			
LD50 oral	16750 mg/kg			
LD50 dermal	3350 mg/kg LD50 dermal rabbit			
LC50 Inhalation - Rat (Vapours)	259354 mg/l/4h			
Skin corrosion/irritation :	Causes skin irritation. pH: n/a			
Serious eye damage/irritation :	Not classified (Based on available data, the classification criteria are not met) pH: n/a			
Respiratory or skin sensitisation:Germ cell mutagenicity:Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met) Not classified (Based on available data, the classification criteria are not met)			
Reproductive toxicity :	Not classified (Based on available data, the classification criteria are not met)			
STOT-single exposure :	May cause drowsiness or dizziness.			
STOT-repeated exposure :	Not classified (Based on available data, the classification criteria are not met)			
Aspiration hazard :	Not classified (Based on available data, the classification criteria are not met)			
GLUSHU QUICK PREFIX ACTIVATOR 200CC				
Vaporizer	aerosol			
Viscosity, kinematic	0,36cSt			
11.2. Information on other hazards				

No additional information available

# Safety Data Sheet

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

SECTION 12: Ecological information				
12.1. Toxicity				
Hazardous to the aquatic environment, short-term : Not classified (acute) Hazardous to the aquatic environment, long-term : Toxic to aquatic life with long lasting effects.				
(chronic)				
N,N-dimethyl-p-toluidine (99-97-8)				
LC50 - Fish [1]	52 mg/l			
EC50 - Crustacea [1]	13.7 mg/l			
HYDROCARBONS, C6-C7, N-ALKANES, ISOA				
LC50 - Fish [1]	11.4 mg/l (Fish 96h)			
EC50 - Crustacea [1]	3 mg/l 48h			
LOEC (acute)	10 – 100 mg/l algae/ activated sludge			
HYDROCARBONS, C6, ISOALKANES, <5% N-	HEXANE .			
LC50 - Fish [2]	18.27 mg/l Oncorhynchus mykiss (Rainbow trout)			
EC50 - Crustacea [2]	31.9 mg/l 48h			
12.2. Persistence and degradability				
GLUSHU QUICK PREFIX ACTIVATOR 200CC				
Persistence and degradability	Readily biodegradable. Photodegradable.			
12.3. Bioaccumulative potential				
GLUSHU QUICK PREFIX ACTIVATOR 200CC				
Partition coefficient n-octanol/water (Log Kow)	≈ 3.7			
Bioaccumulative potential	Potentially bioaccumulable.			
12.4. Mobility in soil				
GLUSHU QUICK PREFIX ACTIVATOR 200CC				
Mobility in soil	Floats on water. Highly volatile			
12.5. Results of PBT and vPvB assessment				
GLUSHU QUICK PREFIX ACTIVATOR 200CC				
Results of PBT assessment	The product does not meet the PBT and vPvB classification criteria			
12.6. Endocrine disrupting properties				
No additional information available				
12.7. Other adverse effects				
Other adverse effects :	Toxic to aquatic organisms			

# Safety Data Sheet

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

SECTION 13: Disposal considerations	5
13.1. Waste treatment methods	
Sewage disposal recommendations	: Disposal must be done according to official regulations. This material and its container must be disposed of in a safe way. Do not discharge into drains or rivers.
Product/Packaging disposal recommendations	: a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. Only pass on empty containers/packaging for recycling.
Additional information	: Disposal of this packaging should at all times comply with the waste disposal legislation and any regional local authority requirements.

# SECTION 14: Transport information

	ADR
14.1. UN number or ID number	
	UN 1950
14.2. UN proper shipping name	
AER	ROSOLS (COMBUSTIBLE)
Transport document description	
UN 1950 AEROSOLS (COMBUS	STIBLE), 2.1, (D), ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)	
	2.1
14.4. Packing group	
	No data available
14.5. Environmental hazards	
Dangel	rous for the environment: Yes
No supplementary information available	
14.6. Special precautions for user	
Dverland transportTransport category (ADR): 2Funnel restriction code (ADR): D	
14.7. Maritime transport in bulk according to IMO ins	Strumonte

No data available

# Safety Data Sheet

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

## **SECTION 15: Regulatory information**

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.1.1. EU-Regulations

Reference code	Applicable on	Entry title or description
3(a)	HYDROCARBONS, C6- C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE ; HYDROCARBONS, C6, ISOALKANES, <5% N- HEXANE .	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	N,N-dimethyl-p-toluidine ; HYDROCARBONS, C6- C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE ; HYDROCARBONS, C6, ISOALKANES, <5% N- HEXANE .	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	N,N-dimethyl-p-toluidine ; HYDROCARBONS, C6- C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE ; HYDROCARBONS, C6, ISOALKANES, <5% N- HEXANE .	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	ISOPENTANE ; HYDROCARBONS, C6- C7, N-ALKANES, ISOALKANES, CYCLICS, <5% N-HEXANE ; PETROLEUM GASES, LIQUEFIED < 0,1% 1,3- butadiene; buta-1,3-diene ; HYDROCARBONS, C6, ISOALKANES, <5% N- HEXANE .	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance 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.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

# Safety Data Sheet

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

## 15.1.2. National regulations

France		
Occupational diseases		
Code Description: Cleaning agent		
RG 84       Conditions caused by liquid organic solvents for professional use: saturated or unsaturated alipha hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliph alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahyd dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulford dimethylsulfoxide		

#### Germany

: WGK: 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)
: PETROLEUM GASES, LIQUEFIED < 0,1% 1,3-butadiene; buta-1,3-diene is listed
: PETROLEUM GASES, LIQUEFIED < 0,1% 1,3-butadiene; buta-1,3-diene is listed
: None of the components are listed
: None of the components are listed
: None of the components are listed

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

### Indication of changes:

This sheet has been revised completely (changes were not marked).

Indication of changes			
Section	Changed item	Change	Comments
	Issue date	Modified	
	Revision date	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	

Abbreviations and acronyms		
CAS-No.	Chemical Abstract Service number	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EN	European Standard	
LC50	Median lethal concentration	
LD50	Dose leading to death in 50% of a test population (median lethal dose)	
LOAEL	Lowest Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	

# Safety Data Sheet

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

Abbreviations and acronyms		
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
SDS	Safety Data Sheet	
VOC	Volatile Organic Compounds	
WGK:	Water Hazard Class	
vPvB	Very Persistent and Very Bioaccumulative	

Data sources

Other information

: Classification procedure: . Health and Environmental Hazards: The method for classifying mixtures based on the components of the mixture (sum formula). Physical and Chemical Properties: Classification is based on the results of the mixtures tested.

DISCLAIMER OF LIABILITY 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. This information relates to the specific material designated and may not be valid in combination with other product(s). It is user's liabilities to take all necessary measures to meet local required laws and regulations.

Full text of H- and EUH-statements		
Acute Tox. 2 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 2	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
Asp. Tox. 1	Aspiration hazard, Category 1	
Flam. Gas 1	Flammable gases, Category 1	
Flam. Liq. 1	Flammable liquids, Category 1	
Flam. Liq. 2	Flammable liquids, Category 2	
Press. Gas (Comp.)	Gases under pressure : Compressed gas	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis	
H220	Extremely flammable gas.	
H222	Extremely flammable aerosol.	
H224	Extremely flammable liquid and vapour.	
H225	Highly flammable liquid and vapour.	
H229	Pressurised container: May burst if heated.	
H280	Contains gas under pressure; may explode if heated.	
H301	Toxic if swallowed.	

# Safety Data Sheet

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

Full text of H- and EUH-statements		
H304	May be fatal if swallowed and enters airways.	
H311	Toxic in contact with skin.	
H315	Causes skin irritation.	
H330	Fatal if inhaled.	
H336	May cause drowsiness or dizziness.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	

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.