

Acetic acid glacial 99-100% a.r. Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 10/31/2018 Version: 1.0

SECTION 1: Identification of the substa	nce/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Substance
Trade name	: Acetic acid glacial 99-100% a.r.
EC Index-No.	: 607-002-00-6
EC-No.	: 200-580-7
CAS-No.	: 64-19-7
REACH registration No	: 01-2119475328-30
Product code	: CL00.0116
Type of product	: Pure substance
Formula	: C2H4O2
Synonyms	: acetic acid / Aci-Gel / Aci-Jel / alcohol of vinegar / carboxylic acid C2 / E260 / ethanoic acid / ethylic acid / FEMA No 2006 / fema number 2006 / glacial acetic acid / methanecarboxylic acid / pyroligneous acid / vinegar / vinegar acid / vosol
1.2. Relevant identified uses of the substance	e or mixture and uses advised against
1.2.1. Relevant identified uses	
Use of the substance/mixture	: Laboratory chemical
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safety data Chem-Lab nv	sheet
Industriezone "De Arend" 2 Zedelgem - Belgium	
T +32 50 288320 info@chem-lab.be - www.chem-lab.be	
1.4. Emergency telephone number	
	32 50 28 83 20
SECTION 2: Hazards identification	
2.1. Classification of the substance or mixtu	re
Classification according to Regulation (EC) No. 12	
Flammable liquids, Category 3	H226
Skin corrosion/irritation, Category 1A	H314
Full text of H statements : see section 16	
Specific concentration limits:	
(10 = <c 25)<="" <="" td=""><td>Skin Irrit. 2, H315</td></c>	Skin Irrit. 2, H315
(10 = <c 25)<="" <="" td=""><td>Eye Irrit. 2, H319</td></c>	Eye Irrit. 2, H319
(25 = <c 90)<="" <="" td=""><td>Skin Corr. 1B, H314</td></c>	Skin Corr. 1B, H314
(C >= 90)	Skin Corr. 1A, H314
Adverse physicochemical, human health and env	ironmental effects
No additional information available 2.2. Label elements	
Labelling according to Regulation (EC) No. 1272/2	
Hazard pictograms (CLP)	
	GHS02 GHS05
Signal word (CLP)	
Hazard statements (CLP)	: H226 - Flammable liquid and vapour. H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP)	: P307+P311 - IF exposed: Call a POISON CENTER or doctor/physician. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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2.3. Other hazards This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances			
Substance type	Mono-constituent		
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Acetic acid glacial 99-100% a.r.	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6 (REACH-no) 01-2119475328-30	100	Flam. Liq. 3, H226 Skin Corr. 1A, H314
Specific concentration limits:			
Name	Product identifier	Specific con	centration limits
Acetic acid glacial 99-100% a.r.	(CAS-No.) 64-19-7 (EC-No.) 200-580-7 (EC Index-No.) 607-002-00-6 (REACH-no) 01-2119475328-30	(10 = <c 25)<br="" <="">(25 =<c 90)<="" <="" td=""><td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Corr. 1B, H314 Corr. 1A, H314</td></c></c>	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Corr. 1B, H314 Corr. 1A, H314

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

4.1. Description of first aid measures	
First-aid measures general	: Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
First-aid measures after inhalation	: Remove the victim into fresh air. Immediately consult a doctor/medical service. Doctor: administration of corticoid spray. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Wash immediately with lots of water (15 minutes)/shower. Do not apply (chemical) neutralizing agents. Remove clothing while washing. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist.
First-aid measures after ingestion	: Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Immediately consult a doctor/medical service. Call Poison Information Centre (www.big.be/antigif.htm). Take the container/vomit to the doctor/hospital. Ingestion of large quantities: immediately to hospital. Do not give chemical antidote.
.2. Most important symptoms and effect	cts, both acute and delayed
Symptoms/effects after inhalation	: Coughing. Dry/sore throat. Respiratory difficulties. Corrosion of the upper respiratory trac FOLLOWING SYMPTOMS MAY APPEAR LATER: Risk of pneumonia. Risk of lung oedema.
Symptoms/effects after skin contact	: Caustic burns/corrosion of the skin.
Symptoms/effects after eye contact	: Corrosion of the eye tissue.
Symptoms/effects after ingestion	: Burns to the gastric/intestinal mucosa. Possible esophageal perforation. Blood in vomit. Diarrhoea. Shock. Low arterial pressure. Enlargement/affection of the liver. Decreased renal function.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Affection/discolouration of the teeth.

No additional information available

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher. Quick-acting class B foam extinguisher. Quick-acting CO2 extinguisher. Class B foam (alcohol-resistant). Water spray if puddle cannot expand.

Unsuitable extinguishing media	: Water (quick-acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle expansion.
5.2. Special hazards arising from the substa	ance or mixture
Fire hazard	: DIRECT FIRE HAZARD: Flammable liquid and vapour. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD: May be ignited by sparks. Reactions involving a fire hazard: see "Reactivity Hazard".
Explosion hazard	: DIRECT EXPLOSION HAZARD: Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD: may be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard".
Hazardous decomposition products in case of fire	: Upon combustion: CO and CO2 are formed.
5.3. Advice for firefighters	
Firefighting instructions	: Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equi	pment and emergency procedures	
6.1.1. For non-emergency personnel		
Protective equipment	: Gas-tight suit. Corrosion-proof suit.	
Emergency procedures	: Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.	
6.1.2. For emergency responders		
Protective equipment	: Compressed air/oxygen apparatus.	
6.2. Environmental precautions Prevent soil and water pollution. Prevent spreading in sewers.		
6.3. Methods and material for containment	t and cleaning up	
For containment	: Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute combustible/toxic gases/vapours with water spray. Take account of toxic/corrosive precipitation water. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills.	
Methods for cleaning up	: Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite, kieselguhr, powdered limestone. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.	
6.4. Reference to other sections		
No additional information available		

SECTION 7: Handling and storage	
SECTION 7: Handling and storage 7.1. Precautions for safe handling	
Precautions for safe handling	: Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Measure the concentration in the air regularly. Work under local exhaust/ventilation. Exhaust gas must be neutralised. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep the substance free from contamination. Use corrosionproof equipment. Handle uncleaned empty containers as full ones. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Do not use compressed air for pumping over. Keep container tightly closed.
Hygiene measures	: Observe very strict hygiene - avoid contact.
7.2. Conditions for safe storage, including a	
Storage temperature	: > 17 °C
Heat and ignition sources	: KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
Information on mixed storage	: KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) bases. metals. alcohols. amines. water/moisture.
Storage area	: Store in a dry area. Ventilation at floor level. Keep out of direct sunlight. Fireproof storeroom. Keep locked up. Provide for a tub to collect spills. Provide the tank with earthing. Detached building. Store only in a limited quantity. Meet the legal requirements.
Special rules on packaging	: SPECIAL REQUIREMENTS: closing. dry. clean. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
Packaging materials	: SUITABLE MATERIAL: stainless steel. aluminium. LDPE (Low Density Poly Ethylene). HDPE. glass. MATERIAL TO AVOID: iron. zinc. lead. copper. bronze. natural rubber.
7.3. Specific end use(s)	
No additional information available	

SECTION 8: Exposure controls/personal protection			
8.1. Control parameters Acetic acid glacial 99-100	% a.r. (64-19-7)		
EU	IOELV TWA (mg/m ³)		25 mg/m ³
EU	IOELV TWA (mg/m)		10 ppm
EU	IOELV TWA (ppili)		50 mg/m ³
EU			20 ppm
Belgium	IOELV STEL (ppm)		25 mg/m ³
Belgium	Limit value (mg/m³) Limit value (ppm)		10 ppm
Belgium	Short time value		38 mg/m ³
Belgium	Short time value		15 ppm
France	VLE (mg/m ³)	(PP''')	25 mg/m ³
France	VLE (ppm)		10 ppm
Netherlands	Grenswaarde TG	G 8H (ma/m³)	25 mg/m ³
USA - ACGIH	ACGIH TWA (pp		10 ppm
USA - ACGIH	ACGIH STEL (pp		15 ppm
		•	
Acetic acid glacial 99-100	% a.r. (64-19-7)		
DNEL/DMEL (Workers)			
Acute - local effects, inhalation		25 mg/m ³	
Long-term - local effects, inhala		25 mg/m ³	
DNEL/DMEL (General popula	tion)		
Acute - local effects, inhalation		25 mg/m ³	
Long-term - local effects, inhala	ation	25 mg/m ³	
PNEC (Water)			
PNEC aqua (freshwater)		3.058 mg/l	
PNEC aqua (marine water)		0.306 mg/l	
PNEC (Sediment)			
PNEC sediment (freshwater)		11.36 mg/kg dwt	
PNEC sediment (marine water) 1.136 mg/kg dwt			
PNEC (Soil)			
PNEC soil		0.47 mg/kg dwt	
	PNEC (STP)		
PNEC sewage treatment plant 85 mg/l		85 mg/l	
8.2. Exposure controls	· · · · ·		
Materials for protective clothing: GIVE EXCELLENT RESISTANCE: butyl rubber. GIVE LESS RESISTANCE: PVC. nitrile rubber. fluor rubber. chloroprene rubber. natural rubber. GIVE POOR RESISTANCE: polyethylene. PVA			
Hand protection:			
Gloves			
Eye protection:			
Safety glasses			
Skin and body protection:			
Head/neck protection. Corrosion-proof clothing			
Respiratory protection:			
Full face mask with filter type A at conc. in air > exposure limit. High vapour/gas concentration: self-contained respirator			

9.1. Information on basic physical and ch	
Physical state	: Liquid
Appearance	: Liquid.
Molecular mass	: 60.05 g/mol
Colour	: Colourless.
Odour	: Irritating/pungent odour. Vinegar odour.
Odour threshold	: No data available
pH	: 2.4 (1 mol/l)
Relative evaporation rate (butylacetate=1)	: 0.97
Relative evaporation rate (ether=1)	: 11
Melting point	: 16.64 °C
Freezing point	: No data available
Boiling point	: 117.9 °C (1013.25 hPa)
Flash point	: 39 °C (1013 hPa)
Critical temperature	: 322 °C
Auto-ignition temperature	: 463 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 16 hPa (20 °C)
Vapour pressure at 50 °C	: 76.9 hPa
Critical pressure	: 45300 hPa
Relative vapour density at 20 °C	: 2.1
Relative density	: 1.04 (25 °C)
Relative density of saturated gas/air mixture	: 1
Density	: 1040 kg/m³ (25 °C)
Solubility	: Soluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in tetrachloromethane. Soluble in glycerol.
	Water: 602.9 g/l (25 °C)
	Ethanol: complete
	Ether: complete
	Acetone: complete
Log Pow	: -0.17 (Experimental value, 25 °C)
Viscosity, kinematic	: 1.015 mm²/s
Viscosity, dynamic	: 1.056 mPa.s (25 °C)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 4 - 19 vol %
Lower explosive limit (LEL)	: 4 vol %
Upper explosive limit (UEL)	: 19 vol %
9.2. Other information	
Specific conductivity	: 500000 pS/m (0 °C)
VOC content	: 100 %
Other properties	: Gas/vapour heavier than air at 20°C. Clear. Hygroscopic. Volatile. Acid reaction.

SECTION 10: Stability and reactivity
10.1. Reactivity
Violent to explosive reaction with many compounds e.g.: with (strong) oxidizers: (increased) risk of fire/explosion. Reacts violently with (some)
bases.
10.2. Chemical stability
Hygroscopic.
10.3. Possibility of hazardous reactions
No additional information available
10.4. Conditions to avoid
No additional information available
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Reacts on exposure to water (moisture) with (some) metals: release of highly flammable gases/vapours (hydrogen).

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Acetic acid glacial 99-100% a.r. (64-19-7)	
LD50 oral rat	3310 mg/kg bodyweight (Rat, Male/female, Experimental value, Oral)
LC50 inhalation rat (mg/l)	11.4 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Female, Experimental value, Inhalation (vapours), 14 day(s))
Skin corrosion/irritation	: Causes severe skin burns and eye damage.
	pH: 2.4 (1 mol/l)
Serious eye damage/irritation	: Serious eye damage, category 1, implicit
	pH: 2.4 (1 mol/l)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Acetic acid glacial 99-100% a.r. (64-19-7)	
Viscosity, kinematic	1.015 mm ² /s
Potential adverse human health effects and symptoms	: Causes severe skin burns. Causes serious eye damage.

SECTION 12: Ecological information		
12.1. Toxicity Ecology - general :	Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.	
Ecology - air :	Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).	
Ecology - water :	Not harmful to crustacea. Not harmful to fishes. Not harmful to algae. Not harmful to bacteria. pH shift.	
Acute aquatic toxicity :	Not classified	
Chronic aquatic toxicity :	Not classified	
Acetic acid glacial 99-100% a.r. (64-19-7)		
LC50 fish 1	> 1000 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)	
EC50 Daphnia 1	> 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)	
EC50 72h algae (1)	> 1000 mg/l (ISO 10253, Skeletonema costatum, Static system, Salt water, Experimental value, GLP)	
12.2. Persistence and degradability		
Acetic acid glacial 99-100% a.r. (64-19-7)		
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.6 - 0.74 g O ₂ /g substance	
Chemical oxygen demand (COD)	1.03 g O ₂ /g substance	
ThOD	1.07 g O₂/g substance	
12.3. Bioaccumulative potential		
Acetic acid glacial 99-100% a.r. (64-19-7)		
BCF fish 1	3.16 (Pisces, Fresh water, QSAR)	
Log Pow	-0.17 (Experimental value, 25 °C)	
Bioaccumulative potential	Not bioaccumulative.	

12.4. Mobility in soil		
Acetic acid glacial 99-100% a.r. (64-19-7)		
Surface tension	26.3 mN/m (30 °C)	
Ecology - soil	Highly mobile in soil. May be harmful to plant growth, blooming and fruit formation.	
12.5. Results of PBT and vPvB assessment		
Acetic acid glacial 99-100% a.r. (64-19-7)		
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII		
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
12.6. Other adverse effects		

No additional information available

SECTION 13: Disposal considerations 13.1. Waste treatment methods	
Product/Packaging disposal recommendations	: Do not discharge into drains or the environment. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle by distillation. Remove to an authorized waste incinerator for solvents with energy recovery. Remove for physico-chemical/biological treatment. May be discharged to wastewater treatment installation.
Additional information	: Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
European List of Waste (LoW) code	: 15 01 10* - packaging containing residues of or contaminated by dangerous substances 07 01 04* - other organic solvents, washing liquids and mother liquors

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
2789	2789	2789	2789	2789
14.2. UN proper shippin	g name			
Acetic acid, glacial	acetic acid, glacial	Acetic acid, glacial	Acetic acid, glacial	Acetic acid, glacial
Transport document descr	iption			•
UN 2789 Acetic acid, glacial, 8 (3), II, (D/E)	UN 2789 acetic acid, glacial, 8 (3), II	UN 2789 Acetic acid, glacial, 8 (3), II	UN 2789 Acetic acid, glacial, 8 (3), II	UN 2789 Acetic acid, glacial, 8 (3), II
14.3. Transport hazard o	class(es)			
8 (3)	8 (3)	8 (3)	8 (3)	8 (3)
				8
14.4. Packing group				
II	П	Ш	П	I
14.5. Environmental haz	zards			
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	on available			
4.6. Special precautions	s for user			
Overland transport				
ransport regulations (ADR)		oject to the provisions		
Classification code (ADR)	: CF	1		
lazard identification number	(Kemler No.) : 83			

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Orange plates	83 2789
Tunnel restriction code (ADR)	: D/E
EAC code	:•2P
Transport by sea	
Transport regulations (IMDG)	: Subject to the provisions
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-C
Air transport	
Transport regulations (IATA)	: Subject to the provisions
Inland waterway transport	
Classification code (ADN)	: CF1
Carriage permitted (ADN)	: Т
Rail transport	
Transport regulations (RID)	: Subject to the provisions
Classification code (RID)	: CF1
14.7. Transport in bulk according to Annex I	I of Marpol and the IBC Code

4.7. Iran ort in bulk according to Annex II of Marpol and the shr 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

Acetic acid glacial 99-100% a.r. is not on the REACH Candidate List Acetic acid glacial 99-100% a.r. is not on the REACH Annex XIV List

VOC content	: 100 %
Directive 2012/18/EU (SEVESO III)	
15.1.2. National regulations	
Germany	
Reference to AwSV	: Water hazard class (WGK) 1, low hazard to water (Classification according to AwSV; ID No. 93)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
TA Luft	: 5.2.5 Organic Substances. Class II
Netherlands	
SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: The substance is not listed
Denmark	
Class for fire hazard	: Class II-1
Store unit	: 5 liter
Classification remarks	: R10 <h226;h314>; Emergency management guidelines for the storage of flammable liquids must be followed</h226;h314>
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product
15.2. Chemical safety assessment	
No additional information available	

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SECTION 16: Other information		
Full text of H- and EUH-statements:		
Flam. Liq. 3	Flammable liquids, Category 3	
Skin Corr. 1A	Skin corrosion/irritation, Category 1A	
H226	Flammable liquid and vapour.	
H314	Causes severe skin burns and eye damage.	

SDS Zonder Big

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