

Toluene p. 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	: Toluene p.
EC Index-No.	: 601-021-00-3
EC-No.	: 203-625-9
CAS-No	108-88-3
REACH registration No.	· 01_2110/71310_51
Product code	- CL00 2001
	. CLUU.2001
Type of product	: Pure substance
Formula	: C7H8
Synonyms	: ANTISAL 1A / benzene, methyl- / benzyl hydride / CASWELL no 859 / CP 25 / formula No 06500 / methacide / methane, phenyl- / methylbenzene / phenylmethane / reference fuel, toluene / retinaphtha / solvent toluene / solvesso toluene / tol / toluene / toluene chromasolv / toluene pestanal / toluene regen / toluene spectranal / toluene, nitration grade / toluene, pure / toluene, reference fuel / tolunol / toluol oil / toluole / tolu-sol
1.2. Relevant identified uses of the substan	ce 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	a sheet
Chem-Lab nv	
Industriezone "De Arend" 2	
Zedeigem - Beigium T +32 50 288320	
info@chem-lab.be - www.chem-lab.be	
1.4. Emergency telephone number	
Emergency number :	+32 50 28 83 20
SECTION 2: Hazards identification	
2.1 Classification of the substance or mixt	
Classification according to Regulation (EC) No. 1	272/2008 [CLP]
Flammable liquids, Category 2	H225
Reproductive toxicity, Category 2	H361d
Aspiration hazard, Category 1	H304
Specific target organ toxicity — Repeated exposure,	Category 2 H373
Skin corrosion/irritation, Category 2	H315
Specific target organ toxicity — Single exposure, Ca	tegory 3, Narcosis H336
Full text of H statements : see section 16	
Adverse physicochemical, human health and en	vironmental effects
No additional information available	
2.2 Label elements	
Labelling according to Regulation (EC) No. 1272/	2008 [CLP]
Hazard pictograms (CLP)	
	GHS02 GHS08 GHS07
Signal word (CLP)	· Danger
Hazard statements (CLP)	: H225 - Highly flammable liquid and vanour
nazaro statements (CLP)	<ul> <li>п225 - підпіў напіпаріе нідцю апо vapour.</li> <li>H361d - Suspected of damaging the unborn child.</li> <li>H304 - May be fatal if swallowed and enters airways.</li> <li>H373 - May cause damage to organs (central nervous system) through prolonged or repeated exposure (if inhaled).</li> <li>H315 - Causes skin irritation</li> </ul>

## Safety Data Sheet

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

Precautionary statements (CLP) Prove Prove Precautionary statements (CLP) Prove Prove Prove Prove Prove Prove Prove

### 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**

Substance type :	Mono-constituent		
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Toluene p.	(CAS-No.) 108-88-3 (EC-No.) 203-625-9 (EC Index-No.) 601-021-00-3 (REACH-no) 01-2119471310-51	100	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336

### 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	: 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. Never give alcohol to drink.
First-aid measures after inhalation	: Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Wash immediately with lots of water. Soap may be used. Do not apply (chemical) neutralizing agents. Remove clothing before washing. Take victim to a doctor if irritation persists. Take victim to a doctor/medical service if irritation persists.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists. Take victim to a doctor/medical service if irritation persists.
First-aid measures after ingestion	: Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not give milk/oil to drink. Do not induce vomiting. Give activated charcoal. Call Poison Information Centre (www.big.be/antigif.htm). Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital.
4.2. Most important symptoms and effect	ts, both acute and delayed
Symptoms/effects after inhalation	: EXPOSURE TO HIGH CONCENTRATIONS: Headache. Nausea. Feeling of weakness. Dizziness. Central nervous system depression. Narcosis. Mental confusion. Drunkenness. Coordination disorders. Disturbed motor response. Disturbances of consciousness.
Symptoms/effects after skin contact	: Tingling/irritation of the skin. Red skin.
Symptoms/effects after eye contact	: Irritation of the eye tissue.
Symptoms/effects after ingestion	: Risk of aspiration pneumonia. Nausea. Abdominal pain. Irritation of the gastric/intestinal mucosa. Symptoms similar to those listed under inhalation.
Chronic symptoms	: ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry skin. Skin rash/inflammation. Impairment of the nervous system. Tremor. Impaired memory. Impaired concentration. Brain affection. Disturbances of heart rate. Change in the haemogramme/blood composition.
4.3. Indication of any immediate medical	attention and special treatment needed

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 (not alcohol-resistant).

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

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	ince or mixture
Fire hazard	: DIRECT FIRE HAZARD: Highly flammable liquid and vapour. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD: May build up electrostatic charges: risk of ignition. May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard. 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.
Protection during firefighting	: Heat/fire exposure: compressed air/oxygen apparatus.
SECTION 6: Accidental release measur	<u> </u>
6.1. Personal precautions, protective equipr	nent and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Gloves. Protective goggles. Head/neck protection. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. Large spills/in enclosed spaces: gas-tight 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	
No additional information available	
6.2. Environmental precautions	
Prevent soil and water pollution.	
6.3. Methods and material for containment a	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/disperse combustible gas/vapour with water curtain. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over

spills.

Methods for cleaning up

## 6.4. Reference to other sections

No additional information available

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. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. 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 strict hygiene.
7.2. Conditions for safe storage, including an	y incompatibilities
Heat and ignition sources	: KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
Information on mixed storage	: KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. halogens.
Storage area	: Store at ambient temperature. Ventilation at floor level. Fireproof storeroom. Provide for a tub to collect spills. Provide the tank with earthing. Under a shelter/in the open. Store only in a limited quantity. May be stored under nitrogen. Meet the legal requirements. Keep out of direct sunlight.
Special rules on packaging	: SPECIAL REQUIREMENTS: closing. clean. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.
Packaging materials	: SUITABLE MATERIAL: metal. stainless steel. carbon steel. aluminium. nickel. polypropylene. glass. tin. MATERIAL TO AVOID: polyethylene.
7.3. Specific end use(s)	
No additional information available	

clothing and equipment after handling.

: Liquid spill: cover with foam. Take up liquid spill into inert absorbent material, e.g.: sand,

earth, vermiculite. 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. Take collected spill to manufacturer/competent authority. Wash

Toluene p. Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

SECTION 8: Exposure controls/personal protection			
8.1. Control parameters			
Toluene p. (108-88-3)			
EU	IOELV TWA (mg/m <sup>3</sup> )		192 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)		50 ppm
EU	IOELV STEL (mg/m³)		384 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)		100 ppm
Belgium	Limit value (mg/n	n³)	77 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	)	20 ppm
Belgium	Short time value	(mg/m³)	384 mg/m <sup>3</sup>
Belgium	Short time value	(ppm)	100 ppm
France	VME (mg/m <sup>3</sup> )		76.8 mg/m <sup>3</sup>
France	VME (ppm)		20 ppm
France	VLE (mg/m <sup>3</sup> )		384 mg/m <sup>3</sup>
France	VLE (ppm)		100 ppm
Netherlands	Grenswaarde TG	G 8H (mg/m³)	150 mg/m <sup>3</sup>
Netherlands	Grenswaarde TG	G 8H (ppm)	39 ppm
Netherlands	Grenswaarde TG	G 15MIN (mg/m³)	384 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (ppm)		100 ppm
United Kingdom	WEL TWA (mg/m³)		191 mg/m³
United Kingdom	WEL TWA (ppm)		50 ppm
United Kingdom	WEL STEL (mg/m³)		384 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm	)	100 ppm
USA - ACGIH	ACGIH TWA (ppm)		20 ppm
Toluene p. (108-88-3)			
DNEL/DMEL (Workers)			
Acute - systemic effects, inhalation 384 mg/m <sup>3</sup>			
Acute - local effects, inhalation		384 mg/m <sup>3</sup>	
Long-term - systemic effects, d	ermal	384 mg/kg bw/day	
Long-term - systemic effects, inhalation		192 mg/m³	
Long-term - local effects, inhalation		192 mg/m³	
DNEL/DMEL (General popula	tion)		
Acute - systemic effects, inhala	tion	226 mg/m³	
Acute - local effects, inhalation		226 mg/m <sup>3</sup>	
Long-term - systemic effects,oral		8.13 mg/kg bw/day	
Long-term - systemic effects, inhalation		56.5 mg/m³	
Long-term - systemic effects, dermal		226 mg/kg bw/day	
Long-term - local effects, inhalation		56.5 mg/m³	
PNEC (Water)			
PNEC aqua (freshwater)		0.68 mg/l	
PNEC aqua (marine water)		0.68 mg/l	
PNEC (Sediment)			
PNEC sediment (freshwater)		16.39 mg/kg dwt	
PNEC sediment (marine water)		16.39 mg/kg dwt	
PNEC (Soil)			
PNEC soil		2.89 mg/kg dwt	
1		I	

Toluene p. Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Toluene p. (108-88-3)		
PNEC (STP)		
PNEC sewage treatment plant	13.61 mg/l	
8.2. Exposure controls		
Materials for protective clothing:		
GIVE GOOD RESISTANCE: tetrafluoroethylene. viton. PVA. GIVE LESS RESISTANCE: butyl rubber. natural rubber. neoprene. nitrile rubber. polyethylene. neoprene/natural rubber. nitrile rubber/PVC. GIVE POOR RESISTANCE: chloroprene rubber		
Hand protection:		
Gloves		
Eye protection:		
Safety glasses		
Skin and body protection:		
Head/neck protection. Protective clothing		
Respiratory protection:		
Full face mask with filter type A at conc. in air > exposure limit		

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Appearance	: Liquid.	
Molecular mass	: 92.14 g/mol	
Colour	: Colourless.	
Odour	: Aromatic odour.	
Odour threshold	: No data available	
pH	: No data available	
Relative evaporation rate (butylacetate=1)	: 2.24	
Melting point	: -95 °C (1013 hPa)	
Freezing point	: No data available	
Boiling point	: 110.6 °C (1013 hPa)	
Flash point	: 4.4 °C (Closed cup, 1013 hPa)	
Critical temperature	: 321 °C	
Auto-ignition temperature	: 480 °C (1013 hPa)	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapour pressure	: 30.89 hPa (21.1 °C)	
Vapour pressure at 50 °C	: 109 hPa	
Critical pressure	: 41077 hPa	
Relative vapour density at 20 °C	: 3.1	
Relative density	: 0.87 (20 °C)	
Relative density of saturated gas/air mixture	: 1.6	
Density	: 870 kg/m³	
Solubility	: Insoluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Soluble in carbondisulfide. Soluble in acetic acid. Soluble in ethylacetate. Soluble in petroleum spirit. Water: 0.057 - 0.059 g/100ml (25 °C)	
	Ethanol: complete	
	Ether: complete	
	Acetone: > 10 g/100ml	
Log Pow	: 2.73 (Experimental value, 20 °C)	
Viscosity, kinematic	: 0.69 mm²/s (20 °C)	
Viscosity, dynamic	: 0.6 mPa.s (20 °C)	
Explosive properties	: No data available	
Oxidising properties	: No data available	

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

Explosive limits	: 1.3 - 7 vol %
	46 - 270 g/m³
Lower explosive limit (LEL)	: 1.3 vol %
Upper explosive limit (UEL)	: 7 vol %
9.2. Other information	
Minimum ignition energy	: 0.3 mJ
Specific conductivity	: < 1 pS/m
Saturation concentration	: 110 g/m³
VOC content	: 100 %
Other properties	: Gas/vapour heavier than air at 20°C. Clear. Volatile. Neutral reaction. May generate electrostatic charges.

### SECTION 10: Stability and reactivity 10.1. Reactivity

Reacts violently with (some) halogens. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Violent to explosive reaction with (some) acids.

10.2. Chemical stability
Stable under normal conditions.
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

No additional information available

<b>SECTION 11: Toxicological information</b>	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Toluene p. (108-88-3)	
LD50 oral rat	5580 mg/kg bodyweight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral (one dose))
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Other, 24 h, Rabbit, Male, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	25.7 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male, Experimental value, Inhalation (vapours))
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Suspected of damaging the unborn child.
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: May cause damage to organs (central nervous system) through prolonged or repeated exposure (if inhaled).
Aspiration hazard	: May be fatal if swallowed and enters airways.
Toluene p. (108-88-3)	
Viscosity, kinematic	0.69 mm²/s (20 °C)
Potential adverse human health effects and symptoms	: May be fatal if swallowed and enters airways. Practically non-toxic if swallowed (LD50 oral, rat > 2000 mg/kg). Causes skin irritation. Non-toxic in contact with skin (LD50 skin> 5000 mg/kg). May cause drowsiness or dizziness. Non-toxic by inhalation (LC50 inh, rat > 20 mg/l/4h). Moderately irritant for eyes. Caution! Substance is absorbed through the skin.

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.

Toluene p. Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Ecology - air :	Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014).
Ecology - water :	Toxic to crustacea. Toxic to fishes. Groundwater pollutant. Fouling to shoreline. Inhibits photosynthesis of algae. Harmful to bacteria. Taste alteration in fishes/aquatic organisms.
Acute aquatic toxicity :	Not classified
Chronic aquatic toxicity :	Not classified
Toluene p. (108-88-3)	
LC50 fish 1	5.5 mg/l (96 h, Oncorhynchus kisutch, Flow-through system, Fresh water, Experimental value)
12.2. Persistence and degradability	
Toluene p. (108-88-3)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	2.15 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.52 g O <sub>2</sub> /g substance
ThOD	3.13 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.69
12.3. Bioaccumulative potential	
Toluene p. (108-88-3)	
BCF fish 1	90 (72 h, Leuciscus idus, Static system, Fresh water, Experimental value)
Log Pow	2.73 (Experimental value, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
12.4. Mobility in soil	
Toluene p. (108-88-3)	
Surface tension	27.73 N/m (25 °C)
Ecology - soil	Low potential for adsorption in soil.
12.5. Results of PBT and vPvB assessment	
Toluene p. (108-88-3)	
This substance/mixture does not meet the PBT criteria	of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria	a 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. Do not landfill. Incinerate under surveillance with energy recovery. May be discharged to company wastewater treatment plant.
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

SECTION 14: Transport information			
In accordance with ADR / RID / IMDG / IATA / ADN			
IMDG	ΙΑΤΑ	ADN	RID
1294	1294	1294	1294
14.2. UN proper shipping name			
Toluene	Toluene	Toluene	Toluene
	Information IMDG / IATA / ADN IMDG 1294 name Toluene	Information       IMDG / IATA / ADN       IMDG     IATA       1294     1294       name       Toluene     Toluene	INTORMALION       IMDG / IATA / ADN       IMDG     IATA     ADN       1294     1294     1294       name     Toluene     Toluene

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

Transport document descri	iption			
UN 1294 Toluene, 3, II, (D/E)	UN 1294 Toluene, 3, II	UN 1294 Toluene, 3, II	UN 1294 Toluene, 3, II	UN 1294 Toluene, 3, II
14.3. Transport hazard o	class(es)		1	
3	3	3	3	3
		3		3
14.4. Packing group				
II	II	Ш	II	Ш
14.5. Environmental haz	ards			
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 informatio	n available			
14.6. Special precautions	s for user			
Overland transport				
Transport regulations (ADR)	: Sul	pject to the provisions		
Classification code (ADR)	: F1			
Hazard identification number (	(Kemler No.) : 33			
Orange plates		33 1294		
Tunnel restriction code (ADR)	: D/E	E		
EAC code	: 3Y	Ξ		
Transport by sea				
Transport regulations (IMDG)	: Sul	pject to the provisions		
EmS-No. (Fire)	: F-E			
EmS-No. (Spillage)	: S-[	)		
Air transport				
Transport regulations (IATA)	: Sul	pject to the provisions		
Inland waterway transport				
Classification code (ADN)	: F1			
Carriage permitted (ADN)	: T			
Rail transport				
Transport regulations (RID)	: Sul	pject to the provisions		
Classification code (RID)	: F1	-		
14.7. Transport in bulk ad Not applicable	ccording to Annex II of M	arpol and the IBC Code		

### 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 Toluene p. is not on the REACH Candidate List Toluene p. is not on the REACH Annex XIV List

VOC content : 100 % Directive 2012/18/EU (SEVESO III)

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

15.1.2. National regulations	
Germany	
Reference to AwSV	: Water hazard class (WGK) 2, significant hazard to water (Classification according to AwSV; ID No. 194)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)
TA Luft	: 5.2.5 Organic Substances. Class I
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	: toluene is listed
Denmark	
Class for fire hazard	: Class I-1
Store unit	: 1 liter
Classification remarks	: F <flam. 2="" liq.="">; Emergency management guidelines for the storage of flammable liquids must be followed</flam.>
Danish National Regulations	: Young people below the age of 18 years are not allowed to use the product
	Pregnant/breastfeeding women working with the product must not be in direct contact with the product
	The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

# **15.2. Chemical safety assessment** No additional information available

### **SECTION 16: Other information**

Full text of H- and EUH-statements:		
Asp. Tox. 1	Aspiration hazard, Category 1	
Flam. Liq. 2	Flammable liquids, Category 2	
Repr. 2	Reproductive toxicity, Category 2	
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	
H225	Highly flammable liquid and vapour.	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H336	May cause drowsiness or dizziness.	
H361d	Suspected of damaging the unborn child.	
H373	May cause damage to organs through prolonged or repeated exposure.	

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