



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 02-Oct-2019

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Revision Number 1

## 1. Identification

### 1.1. Product identifier

**Product Name** Hydrostop AH+TPO Primer

Contains Toluene, Xylene

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

**Recommended use** Impregnation agents

**Uses advised against** For industrial use only  
For professional use only

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

#### Supplier

SIG Trading Ltd  
Adsetts House  
16 Europa View  
Sheffield Business Park  
Sheffield  
S9 1XH  
United Kingdom

#### For further information, please contact

**E-mail address** No information available

### 1.4. Emergency telephone number

**Emergency Telephone** 01509 505 714

**Emergency Telephone - §45 - (EC)1272/2008**

**Europe** |112

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Skin corrosion/irritation	Category 2 - (H315)
Reproductive toxicity	Category 2 - (H361)
Specific target organ toxicity (single exposure)	Category 3 - (H336)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)
Flammable liquids	Category 2 - (H225)

### 2.2. Label elements

Contains Toluene, Xylene

**Signal word**

Danger

**Hazard statements**

H315 - Causes skin irritation

H332 - Harmful if inhaled

H336 - May cause drowsiness or dizziness

H361d - Suspected of damaging the unborn child

H373 - May cause damage to organs through prolonged or repeated exposure

H225 - Highly flammable liquid and vapor

**Precautionary Statements - EU (§28, 1272/2008)**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P331 - Do NOT induce vomiting

P370 + P378 - In case of fire: Use dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam to extinguish

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

P391 - Collect spillage

P403 + P235 - Store in a well-ventilated place. Keep cool

**Additional information**

This product requires tactile warnings if supplied to the general public. Placed on the market in aerosol containers or in containers fitted with a sealed spray attachment.

**2.3. Other hazards**

No information available

### 3. Composition/information on ingredients

**3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	EC No	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Xylene	215-535-7	1330-20-7	42.8-51	Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226)	No data available
Toluene	203-625-9	108-88-3	35-38	Skin Irrit. 2 (H315) Repr. 2 (H361d) STOT SE 3 (H336) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225)	No data available
Diacetone alcohol	204-626-7	123-42-2	2.7-5.5	Eye Irrit. 2 (H319)	No data available

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

## 4. First-aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical attention immediately if symptoms occur. If symptoms persist, call a physician. If breathing has stopped, give artificial respiration. Get medical attention immediately.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Self-protection of the first aider</b>	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Coughing and/ or wheezing. Difficulty in breathing.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## 5. Fire-fighting measures

### 5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam. Dry sand.
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<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards arising from the chemical</b>	Highly flammable liquid and vapor. Risk of ignition. Vapors can form explosive mixtures with air. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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<b>Hazardous combustion products</b>	Inorganic fumes. Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).
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### 5.3. Advice for firefighters

<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Avoid breathing vapors or mists.
<b>Other information</b>	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

<b>Environmental precautions</b>	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for containment</b>	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

<b>Reference to other sections</b>	For additional information see: Section 8: Exposure controls/personal protection; Section 12: Ecological information; Section 13: Disposal considerations.
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## 7. Handling and storage

### 7.1. Precautions for safe handling

<b>Advice on safe handling</b>	Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from
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heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Protect from sunlight. Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children.

### 7.3. Specific end use(s)

#### Specific use(s).

Impregnation agents

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
Xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> *	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 100 ppm STEL: 441 mg/m <sup>3</sup> Sk*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> *	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> vía dérmica*	TWA: 100 ppm TWA: 440 mg/m <sup>3</sup> H*
Toluene 108-88-3	TWA: 50 ppm TWA: 192 mg/m <sup>3</sup> *	TWA: 50 ppm TWA: 191 mg/m <sup>3</sup> STEL: 100 ppm STEL: 384 mg/m <sup>3</sup> Sk*	TWA: 20 ppm TWA: 76.8 mg/m <sup>3</sup> STEL: 100 ppm STEL: 384 mg/m <sup>3</sup> *	TWA: 50 ppm TWA: 192 mg/m <sup>3</sup> STEL: 100 ppm STEL: 384 mg/m <sup>3</sup> vía dérmica*	TWA: 50 ppm TWA: 190 mg/m <sup>3</sup> H*
Diacetone alcohol 123-42-2	-	TWA: 50 ppm TWA: 241 mg/m <sup>3</sup> STEL: 75 ppm STEL: 362 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 241 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 96 mg/m <sup>3</sup> H*
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> pelle*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> P*	TWA: 210 mg/m <sup>3</sup> STEL: 442 mg/m <sup>3</sup> H*	TWA: 50 ppm TWA: 220 mg/m <sup>3</sup> STEL: 100 ppm STEL: 440 mg/m <sup>3</sup> iho*	TWA: 25 ppm TWA: 109 mg/m <sup>3</sup> H*
Toluene 108-88-3	TWA: 50 ppm TWA: 192 mg/m <sup>3</sup> pelle*	TWA: 50 ppm TWA: 192 mg/m <sup>3</sup> STEL: 100 ppm STEL: 384 mg/m <sup>3</sup> P*	TWA: 150 mg/m <sup>3</sup> STEL: 384 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 81 mg/m <sup>3</sup> STEL: 100 ppm STEL: 380 mg/m <sup>3</sup> iho*	TWA: 25 ppm TWA: 94 mg/m <sup>3</sup> H*
Diacetone alcohol 123-42-2	-	TWA: 50 ppm	-	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> STEL: 75 ppm STEL: 360 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Xylene 1330-20-7	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL 100 ppm STEL 442 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 200 ppm STEL: 870 mg/m <sup>3</sup> H*	STEL: 200 mg/m <sup>3</sup> TWA: 100 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 108 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 135 mg/m <sup>3</sup> H*	TWA: 50 ppm TWA: 221 mg/m <sup>3</sup> STEL: 100 ppm STEL: 442 mg/m <sup>3</sup> Sk*
Toluene 108-88-3	TWA: 50 ppm TWA: 190 mg/m <sup>3</sup> STEL 100 ppm STEL 380 mg/m <sup>3</sup> H*	TWA: 50 ppm TWA: 190 mg/m <sup>3</sup> STEL: 200 ppm STEL: 760 mg/m <sup>3</sup> H*	STEL: 200 mg/m <sup>3</sup> TWA: 100 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 94 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 141 mg/m <sup>3</sup> H*	TWA: 192 mg/m <sup>3</sup> TWA: 50 ppm STEL: 384 mg/m <sup>3</sup> STEL: 100 ppm Sk*

Diacetone alcohol 123-42-2	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> H*	TWA: 20 ppm TWA: 96 mg/m <sup>3</sup> STEL: 40 ppm STEL: 192 mg/m <sup>3</sup> H*	TWA: 240 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 120 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 150 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> STEL: 150 ppm STEL: 720 mg/m <sup>3</sup>
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**Biological occupational exposure limits**

Chemical name	European Union	United Kingdom	France	Spain	Germany
Xylene 1330-20-7	-	650 mmol/mol creatinine urine (Methyl hippuric acid) - post shift	-	1 g/g Creatinine - urine (Methylhippuric acids) - end of shift	2000 mg/L - urine (Methylhippuric(tolur-)acid) - end of shift
Toluene 108-88-3	-	-	-	0.6 mg/L - urine (o-Cresol) - end of shift 0.05 mg/L - blood (Toluene) - start of last shift of workweek 0.08 mg/L - urine (Toluene) - end of shift	600 µg/L - whole blood (Toluene) - immediately after exposure 1.5 mg/L - urine (o-Cresol) - end of several shifts 1.5 mg/L - urine (o-Cresol) - end of shift
Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Xylene 1330-20-7	-	-	-	5.0 mmol/L - urine (Methylhippuric acid) - after the shift	
Toluene 108-88-3	-	-	-	500 nmol/L - blood (Toluene) - in the morning after a working day	
Chemical name	Austria	Switzerland	Poland	Norway	Ireland
Xylene 1330-20-7	1.5 g/L - urine (Methylhippuric acid) - after end of work day, at the end of a work week/end of the shift	2 g/L - urine (Methylhippuric acid) - end of shift	-	-	1.5 g/g Creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
Toluene 108-88-3	10 g/dL Hemoglobin - blood () - by the first screening and once yearly 12 g/dL Hemoglobin - blood () - by the first screening and once yearly 3.2 million/µL Erythrocytes - blood () - by the first screening and once yearly 3.8 million/µL Erythrocytes - blood () - by the first screening and once yearly 4000	600 µg/L - whole blood (Toluol) - end of shift 2 g/g creatinine - urine (Hippuric acid) - end of shift, and after several shifts (for long-term exposures) 0.5 mg/L - urine (o-Cresol) - end of shift, and after several shifts (for long-term exposures)	-	-	0.02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene (background); 0.03 mg/L Medium: urine Time: end of shift Parameter: Toluene; 0.3 mg/g Creatinine Medium: urine Time: end of shift Parameter: o-Cresol

	Leukocytes/ $\mu\text{L}$ - blood () - by the first screening and once yearly 13000 Leukocytes/ $\mu\text{L}$ - blood () - by the first screening and once yearly 130000 Thrombocytes/ $\mu\text{L}$ - blood () - by the first screening and once yearly 150000 Thrombocytes/ $\mu\text{L}$ - blood () - by the first screening and once yearly 0.8 mg/L - urine (o-Cresol) - after end of work day, at the end of a work week/end of the shift				
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**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## **8.2. Exposure controls**

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**Personal protective equipment**  
**Eye/face protection** Tight sealing safety goggles.

Eye protection must conform to standard EN 166.

**Hand protection** Wear suitable gloves. Impervious gloves.

Gloves must conform to standard EN 374.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Inorganic gases and vapors filter conforming to EN 14387.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

**Environmental exposure controls** No information available.

## **9. Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Appearance	Yellow liquid
Physical state	Liquid
Color	Yellow
Odor	Solvent
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	81 °C	
Flash point	18 °C	
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	8.1%	
Lower flammability or explosive limits	1.1%	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	370 °C	
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No information available.	
Oxidizing properties	No information available.	

**9.2. Other information**

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	0,9 g/cm <sup>3</sup>
Bulk density	No information available

**10. Stability and reactivity****10.1. Reactivity**

Reactivity None under normal use conditions.

**10.2. Chemical stability**

Stability May form flammable/explosive vapor-air mixture.

**Explosion data**

Sensitivity to mechanical impact None.  
Sensitivity to static discharge Yes.

**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions None under normal processing.

**10.4. Conditions to avoid**

Conditions to avoid Heat, flames and sparks. Excessive heat. Extremes of temperature and direct sunlight.



**10.5. Incompatible materials**

**Incompatible materials** Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). May release flammable gases.

**11. Toxicological information****11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	May cause irritation of respiratory tract. May cause drowsiness or dizziness. Harmful by inhalation.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Causes skin irritation.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Coughing and/ or wheezing.

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	3,272.20 mg/kg
<b>ATEmix (dermal)</b>	2,002.70 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	2.67 mg/l

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Xylene	= 3500 mg/kg ( Rat )	> 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h
Toluene	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h
Diacetone alcohol	> 4 g/kg ( Rat )	= 13630 mg/kg ( Rabbit )	> 7.23 g/m <sup>3</sup> ( Rat ) 8 h

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.

**Reproductive toxicity** Suspected of damaging fertility or the unborn child.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Toluene	Repr. 2

**STOT - single exposure** May cause drowsiness or dizziness.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** No information available.

## 12. Ecological information

### 12.1. Toxicity

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Xylene	-	LC50: =13.4mg/L (96h, Pimephales promelas) LC50: >780mg/L (96h, Cyprinus carpio) LC50: 2.661 - 4.093mg/L (96h, Oncorhynchus mykiss) LC50: =780mg/L (96h, Cyprinus carpio) LC50: =19mg/L (96h, Lepomis macrochirus) LC50: 13.5 - 17.3mg/L (96h, Oncorhynchus mykiss) LC50: 7.711 - 9.591mg/L (96h, Lepomis macrochirus) LC50: 23.53 - 29.97mg/L (96h, Pimephales promelas) LC50: 13.1 - 16.5mg/L (96h, Lepomis macrochirus) LC50: 30.26 - 40.75mg/L (96h, Poecilia reticulata)	-	LC50: =0.6mg/L (48h, Gammarus lacustris) EC50: =3.82mg/L (48h, water flea)
Toluene	EC50: >433mg/L (96h, Pseudokirchneriella subcapitata) EC50: =12.5mg/L (72h, Pseudokirchneriella subcapitata)	LC50: =54mg/L (96h, Oryzias latipes) LC50: 15.22 - 19.05mg/L (96h, Pimephales promelas) LC50: 11.0 - 15.0mg/L (96h, Lepomis macrochirus) LC50: 50.87 - 70.34mg/L (96h, Poecilia reticulata) LC50: =12.6mg/L (96h, Pimephales promelas) LC50: =5.8mg/L (96h, Oncorhynchus mykiss) LC50: 5.89 - 7.81mg/L	-	EC50: 5.46 - 9.83mg/L (48h, Daphnia magna) EC50: =11.5mg/L (48h, Daphnia magna)

		(96h, Oncorhynchus mykiss) LC50: =28.2mg/L (96h, Poecilia reticulata) LC50: 14.1 - 17.16mg/L (96h, Oncorhynchus mykiss)		
Diacetone alcohol	-	LC50: =420mg/L (96h, Lepomis macrochirus)	-	-

**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

**12.3. Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

**Component Information**

Chemical name	Partition coefficient
Xylene	2.77 - 3.15
Toluene	2.7
Diacetone alcohol	1.03

**12.4. Mobility in soil**

**Mobility in soil** No information available.

**12.5. Results of PBT and vPvB assessment****PBT and vPvB assessment**

Chemical name	PBT and vPvB assessment
Xylene	The substance is not PBT / vPvB
Toluene	The substance is not PBT / vPvB PBT assessment does not apply
Diacetone alcohol	The substance is not PBT / vPvB

**12.6. Other adverse effects**

**Other adverse effects** No information available.

**13. Disposal considerations****13.1. Waste treatment methods**

**Waste from residues/unused products** Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**Waste codes / waste designations according to EWC / AVV** According to the European Waste Catalog, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used. The following Waste Codes are only suggestions: 14 06 03\*.

## 14. Transport information

### IMDG

14.1 UN number	UN1993
14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S.
14.3 Transport hazard class(es)	3
14.4 Packing group	II
Description	UN1993, FLAMMABLE LIQUID, N.O.S. (Xylene, Toluene), 3, II, (18°C C.C.)
14.5 Marine pollutant	Not applicable
14.6 Special Precautions for Users	
Special Provisions	274
EmS-No	F-E, S-E
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	No information available

### RID

14.1 UN number	UN1993
14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S.
14.3 Transport hazard class(es)	3
Labels	3
14.4 Packing group	II
Description	UN1993, FLAMMABLE LIQUID, N.O.S. (Xylene, Toluene), 3, II
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	None
Classification code	F1

### ADR

14.1 UN number	1993
14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S.
14.3 Transport hazard class(es)	3
Labels	3
14.4 Packing group	II
Description	1993, FLAMMABLE LIQUID, N.O.S. (Xylene, Toluene), 3, II
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	274, 601, 640C
Classification code	F1
Tunnel restriction code	(D/E)

### IATA

14.1 UN number	UN1993
14.2 UN proper shipping name	Flammable liquid, n.o.s.
14.3 Transport hazard class(es)	3
14.4 Packing group	II
Description	UN1993, Flammable liquid, n.o.s. (Xylene, Toluene), 3, II
14.5 Environmental hazards	Not applicable
14.6 Special Precautions for Users	
Special Provisions	A3
ERG Code	3H

## 15. Regulatory information

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

#### National regulations

France  
Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
Xylene 1330-20-7	RG 4bis, RG 84	-
Toluene 108-88-3	RG 4bis, RG 84	-
Diacetone alcohol 123-42-2	RG 84	-

### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Toluene - 108-88-3	48.	

#### Persistent Organic Pollutants

Not applicable

#### Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

#### International Inventories

<b>TSCA</b>	Contact supplier for inventory compliance status
<b>DSL/NDSL</b>	Contact supplier for inventory compliance status
<b>EINECS/ELINCS</b>	Contact supplier for inventory compliance status
<b>ENCS</b>	Contact supplier for inventory compliance status
<b>IECSC</b>	Contact supplier for inventory compliance status
<b>KECL</b>	Contact supplier for inventory compliance status
<b>PICCS</b>	Contact supplier for inventory compliance status
<b>AICS</b>	Contact supplier for inventory compliance status

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### 15.2. Chemical safety assessment

**Chemical Safety Report** No information available

## 16. Other information

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

H225 - Highly flammable liquid and vapor  
 H226 - Flammable liquid and vapor  
 H304 - May be fatal if swallowed and enters airways  
 H312 - Harmful in contact with skin  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H332 - Harmful if inhaled  
 H336 - May cause drowsiness or dizziness  
 H361d - Suspected of damaging the unborn child  
 H373 - May cause damage to organs through prolonged or repeated exposure

**Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGLe(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 RTECS (Registry of Toxic Effects of Chemical Substances)  
 World Health Organization

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**Revision Note** Initial Release.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

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**End of Safety Data Sheet**