



# SAFETY DATA SHEET

HARDENER 008 6969

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

### 1.1 Product identifier

Product name : HARDENER 008 6969  
Product description : Hardener.

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

Recommended use: Painting

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

#### Manufacturer or Distributor

Tikkurila Oyj  
P.O. Box 53  
FI-01301 VANTAA  
FINLAND  
Telephone +358 20 191 2000

e-mail address of person responsible for this SDS : Tikkurila Oyj,  
Product Safety,  
e-mail: productsafety@tikkurila.com

### 1.4 Emergency telephone number

Telephone number : 112  
(24h)

#### Supplier or Manufacturer

Telephone number : Tikkurila Oyj  
+358 20 191 2000 (GMT +2) Mon-Fri 8-16

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226  
Acute Tox. 4, H332  
Skin Irrit. 2, H315  
Eye Dam. 1, H318  
Skin Sens. 1, H317  
STOT SE 3, H335  
STOT SE 3, H336  
STOT RE 2, H373  
Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

### 2.2 Label elements

## Hazard pictograms

:



## Signal word

: Danger

## Hazard statements

: H226 - Flammable liquid and vapour.  
 H332 - Harmful if inhaled.  
 H318 - Causes serious eye damage.  
 H315 - Causes skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H335 - May cause respiratory irritation.  
 H336 - May cause drowsiness or dizziness.  
 H373 - May cause damage to organs through prolonged or repeated exposure  
 H412 - Harmful to aquatic life with long lasting effects.

## Precautionary statements

## General

: Not applicable.

## Prevention

: P261 - Avoid breathing mist/vapours/spray.  
 P280 - Wear protective gloves/clothing and eye/face protection.  
 P284 - In case of inadequate ventilation wear respiratory protection.  
 P210 - Keep away from sparks and open flames. - No smoking.  
 P273 - Avoid release to the environment.

## Response

: P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

## Storage

: Not applicable.

## Disposal

: Not applicable.

## Hazardous ingredients

: n-butanol  
 Reaction mass of m-xylene, o-xylene, p-xylene and ethylbenzene  
 diethylenetriamine

## Supplemental label elements

: Not applicable.

## 2.3 Other hazards

Other hazards which do not result in classification : None known.

## SECTION 3: Composition/information on ingredients

## 3.2 Mixtures

: Mixture

Product/ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	
n-butanol	REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6	≥25 - ≤37	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	-
Reaction mass of m-xylene, o-xylene, p-xylene and ethylbenzene	REACH #: *) EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304	(

hydrocarbons, C9, aromatics	REACH #: 01-2119455851-35 EC: 918-668-5 CAS: -	≥10 - <25	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	f
diethylenetriamine	REACH #: 01-2119473793-27 EC: 203-865-4 CAS: 111-40-0 Index: 612-058-00-X	≤2,8	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 2, H330 Skin Corr. 1B, H314 Skin Sens. 1, H317 STOT SE 3, H335  <b>See Section 16 for the full text of the H statements declared above.</b>	-

\*) The REACH numbers of Reaction mass of m-xylene and o-xylene and p-xylene and ethylbenzene are 01-2119488216-32 and 01-2119555267-33.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Notes, if applicable, refer to Notes given in Annex VI of 1272/2008/EC.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General** : In all cases of doubt, or when symptoms persist, seek medical attention. Show safety data sheet or label to the doctor if possible.
- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of lukewarm water, keeping eyelids open. Continue to rinse for at least 20 minutes. Get medical attention immediately.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. Get medical attention if symptoms occur.
- Ingestion** : If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Remove to fresh air and rest in a position comfortable for breathing. Do NOT induce vomiting.

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

- Harmful if inhaled.
- Causes serious eye damage.
- May cause damage to organs through prolonged or repeated exposure.
- Causes skin irritation.
- May cause respiratory irritation.
- May cause an allergic skin reaction.
- May cause drowsiness or dizziness.
- See Section 11 for more detailed information on health effects and symptoms.

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

None.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire. Recommended: resistant foam, CO<sub>2</sub>, powders or water spray/mist.
- Unsuitable extinguishing media** : Do not use a direct water jet that could spread the fire.

### 5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Flammable liquid and vapour. Fire will produce dense black smoke. Exposure decomposition products may cause a health hazard. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapours to sewer may create fire or explosion hazard.
- Hazardous combustion products** : When exposed to high temperatures, hazardous decomposition products may be produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc.

### 5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. This material is hazardous to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** : Provide adequate ventilation. Avoid breathing vapour or mist. Avoid direct skin contact with product. See Section 8 for information on appropriate personal protective equipment.
- 6.2 Environmental precautions** : Hazardous to aquatic environment. Do not allow to enter drains, water course or soil.
- 6.3 Methods and material for containment and cleaning up** : Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Preferably clean with a detergent. Avoid using solvents.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

- 7.1 Precautions for safe handling** : Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. Isolate from sources of heat, sparks and open flames. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. No sparking should be used.
- Skin contact with the product and exposure to spray mist and vapor should be avoided. Avoid inhalation of dust from sanding. Wear appropriate respirator when

ventilation is inadequate. See Section 8 for information on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product. Avoid release to the environment.

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

: Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). No smoking. Store and use away from sparks, open flame or any other ignition source. Keep container tightly closed. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Recommended storage temperature is +5°C ...+25°C. Store in accordance with local regulations.

### 7.3 Specific end use(s)

: None.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
n-butanol	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorb through skin.</b> STEL: 154 mg/m <sup>3</sup> 15 minutes. STEL: 50 ppm 15 minutes.
Reaction mass of m-xylene, o-xylene, p-xylene and ethylbenzene	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorb through skin.</b> STEL: 441 mg/m <sup>3</sup> 15 minutes. TWA: 50 ppm 8 hours. TWA: 220 mg/m <sup>3</sup> 8 hours. STEL: 100 ppm 15 minutes.
diethylenetriamine	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorb through skin.</b> TWA: 4,3 mg/m <sup>3</sup> 8 hours. TWA: 1 ppm 8 hours.

#### Additional information

##### Ethylbenzene

##### EU OEL (Europe, 12/2009). Absorbed through skin.

TWA: 100 ppm 8 hours.

TWA: 442 mg/m<sup>3</sup> 8 hours.

STEL: 200 ppm 15 minutes.

STEL: 884 mg/m<sup>3</sup> 15 minutes.

Please check your local legislation for national OEL value for ethylbenzene.

##### Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

##### DNELs/DMELs

Type	Exposure	Value	Population	Effects
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No DNELs/DMELs available.

##### PNECs

Compartment	Detail	Value	Method	Details
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No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof ventilation equipment. If these are not sufficient maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn (see Personal protection). Provide a readily-accessible eyewash facility. Comply with the health and safety work laws.

**Individual protection measures**

- Eye/face protection** : Wear eye/face protection (EN166).
- Hand protection** : Always wear approved protective gloves against chemicals. Gloves should be replaced regularly and if there is any sign of damage to the glove material. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.  
Recommended glove material (EN374):  
< 1 hour (breakthrough time): nitrile rubber, butyl rubber  
> 8 hours (breakthrough time): laminated foil  
Not recommended: PVC or natural rubber (latex) gloves
- Skin protection** : Wear suitable protective clothing. This product is classified as flammable. If necessary, personnel should wear antistatic clothing made of natural fibres or high-temperature-resistant synthetic fibres.
- Respiratory protection** : If ventilation is inadequate, use respirator that will protect against organic vapour/dust/mist. During spray-application use respirators with combination filter A/F. Wear a half mask or full face respirator with gas and vapour filter A and with dust filter P2 during sanding (EN140:1998, EN405:2001). During continuous long-term work the use of motor-driven or air-fed respirators is recommended (EN12941:1998). Be sure to use an approved/certified respirator or equivalent. Check that mask fits tightly and change filter regularly.
- Environmental exposure controls** : For information regarding environmental protection measures, please refer to section 13 for waste handling, section 7 for handling and storage and section 9 for relevant identified uses of the substance or mixture and uses advised against.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance**

- Physical state** : Liquid.
- Colour** : Clear.
- Odour** : Strong.
- Odour threshold** : Not relevant for the hazard assessment of the product.
- pH** : Not relevant for the hazard assessment of the product.
- Melting point/freezing point** : -94,96°C (xylene)
- Initial boiling point and boiling range** : 136,16°C (xylene)
- Flash point** : 25 °C (xylene)
- Evaporation rate** : 0,77 (butyl acetate = 1) (xylene)
- Flammability (solid, gas)** : Not applicable. Product is a liquid.
- Upper/lower flammability or explosive limits** : Lower: 0,8% (xylene)  
Upper: 6,7% (xylene)
- Vapour pressure** : 0,89 kPa [room temperature] (xylene)
- Vapour density** : 3,7 (xylene)
- Density** : 0,94 g/cm<sup>3</sup>
- Solubility(ies)** : insoluble in water.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : 432°C (xylene)

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<b>Decomposition temperature</b>	: Not relevant for the hazard assessment of the product.
<b>Viscosity</b>	: Kinematic (40°C): >20,5 mm <sup>2</sup> /s >30 s [ISO 3mm cup]
<b>Explosive properties</b>	: No explosive ingredients present.
<b>Oxidising properties</b>	: No oxidising ingredients present.

## 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: See Section 10.5.
<b>10.2 Chemical stability</b>	: Stable under recommended storage and handling conditions (see Section 7).
<b>10.3 Possibility of hazardous reactions</b>	: May present an explosion hazard when material is suspended in air in confine or equipment and subjected to spark, heat or flame.
<b>10.4 Conditions to avoid</b>	: Avoid extreme heat and freezing. Avoid all possible sources of ignition (spark flame).
<b>10.5 Incompatible materials</b>	: Keep away from the following materials to prevent strong exothermic reaction: oxidising agents strong acids strong alkalis
<b>10.6 Hazardous decomposition products</b>	: When exposed to high temperatures, hazardous decomposition products may produced, such as carbon monoxide and dioxide, smoke, oxides of nitrogen et

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

There is no testdata available on the product itself.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Long term exposure by inhalation may cause respiratory tract irritation. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as r membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cas of consciousness. Repeated or prolonged skin contact may lead to allergic contact dermatitis. If splashed in th the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting.

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Expos
n-butanol	LD50 Oral	Rat	790 mg/kg	-
Reaction mass of m-xylene, o-xylene, p-xylene and ethylbenzene	LC50 Inhalation Vapour	Rat	22 mg/l	4 hours
	LD50 Dermal	Rabbit	1700 mg/kg	-
	LD50 Oral	Rat	4300 mg/kg	-
diethylenetriamine	LC50 Inhalation Dusts and mists	Rat	0,07 mg/l	4 hours
	LD50 Dermal	Rabbit	1090 mg/kg	-
	LD50 Intraperitoneal	Mouse	71 mg/kg	-

	LD50 Oral	Rat	1080 mg/kg	-
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Harmful if inhaled.

**Irritation/Corrosion**

Causes skin irritation. Causes serious eye damage.

**Sensitisation**

May cause an allergic skin reaction.

**Mutagenicity**

Not classified.

**Carcinogenicity**

Not classified.

**Reproductive toxicity**

Not classified.

**Teratogenicity**

Not classified.

**Specific target organ toxicity (single exposure)**

May cause respiratory irritation. May cause drowsiness or dizziness.

**Specific target organ toxicity (repeated exposure)**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

Not classified.

## SECTION 12: Ecological information

Ecological testing has not been conducted on this product.  
Do not allow to enter drains, water courses or soil.

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.  
Harmful to aquatic life with long lasting effects.

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exp
hydrocarbons, C9, aromatics	LC50 1 mg/l	Fish	96 h

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
hydrocarbons, C9, aromatics	-	78 % - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
hydrocarbons, C9, aromatics	-	-	Readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	Bioconcentration factor [BCF]	Potential
diethylenetriamine	-5,58	2.8 to 6.3	low
Reaction mass of m-xylene, o-xylene, p-xylene and ethylbenzene	3,12	8.1 to 25.9	low
n-butanol	1	-	low

#### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

#### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Other adverse effects** : Not available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**Product**

**Methods of disposal** : Gather residues into waste containers. Liquid residue and cleaning liquids are hazardous waste and must not be emptied into drains or sewage system, but handled in accordance with national regulations. Product residues should be special companies which have permission for gathering this kind of wastes.

**European waste catalogue (EWC)**

Waste code	Waste designation
08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

**Packaging**

**Methods of disposal** : Empty packaging should be recycled or disposed of in accordance with national regulations.

**Special precautions** : None.

### SECTION 14: Transport information

	ADR/RID	IMDG	IATA
<b>14.1 UN number</b>	UN1263	UN1263	UN1263
<b>14.2 UN proper shipping name</b>	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
<b>14.3 Transport hazard class(es)</b>	3	3	3
<b>14.4 Packing group</b>	III	III	III

<b>14.5 Environmental hazards</b>	No.	No.	No.
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**Additional information**

**ADR/RID** : **Viscous liquid exception** This class 3 viscous liquid is not subject to regulatory packagings up to 450 L according to 2.2.3.1.5.1.

**Tunnel code** (D/E)

**IMDG** : **Emergency schedules (EmS)**  
F-E,S-E

**Viscous substance exemption**

This class 3 material is not subject to regulation in packagings up to 30 L. Exempted according to 2.3.2.5 (Viscous substance exemption)

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers the upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** : Not available.

**SECTION 15: Regulatory information**

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

EU Regulation (EC) No. 1907/2006 (REACH)

Other EU regulations

Europe inventory : Not determined.

Black List Chemicals (76/464/EEC) : Not listed

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments are required.

**SECTION 16: Other information**

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

<b>Classification</b>	<b>Justification</b>
Flam. Liq. 3, H226	On basis of test data
Acute Tox. 4, H332	Calculation method
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
STOT SE 3, H335	Calculation method
STOT SE 3, H336	Calculation method

STOT RE 2, H373  
Aquatic Chronic 3, H412

Calculation method  
Calculation method

**Full text of abbreviated H statements**

: H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
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.

**Full text of classifications [CLP/GHS]**

: Acute Tox. 2, H330 ACUTE TOXICITY (inhalation) - Category 2  
Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4  
Acute Tox. 4, H312 ACUTE TOXICITY (dermal) - Category 4  
Acute Tox. 4, H332 ACUTE TOXICITY (inhalation) - Category 4  
Aquatic Chronic 2, H411 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2  
Aquatic Chronic 3, H412 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3  
Asp. Tox. 1, H304 ASPIRATION HAZARD - Category 1  
EUH066 Repeated exposure may cause skin dryness or cracking  
Eye Dam. 1, H318 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1  
Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2  
Flam. Liq. 3, H226 FLAMMABLE LIQUIDS - Category 3  
Skin Corr. 1B, H314 SKIN CORROSION/IRRITATION - Category 1B  
Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2  
Skin Sens. 1, H317 SKIN SENSITISATION - Category 1  
STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2  
STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3  
STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3

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**Notice to reader**

This Safety Data Sheet is prepared in accordance with Annex II (EU) No 830/2015 to Regulation (EC) No 1907/2006 (REACH). The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.