## **SAFETY DATA SHEET**



Traffic Hardener

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

1.1 Product identifier	
Product name	: Traffic Hardener
Product code	: Not available.
Product description	: Hardener. For professional users only.
Product type	: Liquid.
Other means of identification	: WH3410

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

	Identified uses	
For professional users only.		

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

Bona AB Box 210 74 SE-200 21 MALMÖ SWEDEN Tel. +46-(0)40-38 55 00 e-mail address of person : En

: Environment@bona.com

responsible for this SDS

#### 1.4 Emergency telephone number

National advisory body/Poison Center Telephone number :

<u>Supplier</u>	
Telephone number	1
Hours of operation	:

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Product definition : Mixture

#### Classification according to Directive 1999/45/EC [DPD]

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification	: Xn; R20 Xi; R37 R43 R52/53
Human health hazards	: Harmful by inhalation. Irritating to respiratory system. May cause sensitization by skin contact.
Environmental hazards	: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
See Section 16 for the full te	t of the R phrases or H statements declared above

See Section 16 for the full text of the R phrases or H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

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### **SECTION 2: Hazards identification**

Hazard symbol or symbols	
Indication of danger	Harmful
Risk phrases	<ul> <li>R20- Harmful by inhalation.</li> <li>R37- Irritating to respiratory system.</li> <li>R43- May cause sensitization by skin contact.</li> <li>R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</li> </ul>
Safety phrases	<ul> <li>S24- Avoid contact with skin.</li> <li>S37- Wear suitable gloves.</li> <li>S46- If swallowed, seek medical advice immediately and show this container or labe S60- This material and its container must be disposed of as hazardous waste.</li> </ul>
Hazardous ingredients	Hydrofilic, aliphatic polyisocyanate
Supplemental label elements	Contains isocyanates. See information supplied by the manufacturer. This information is provided by the current Safety Data Sheet.
Special packaging requirem	<u>its</u>
Containers to be fitted with child-resistant fastenings	Not applicable.
Tactile warning of danger	Not applicable.
2.3 Other hazards	

Other hazards which do : Not available. not result in classification

### **SECTION 3: Composition/information on ingredients**

Substance/mixture	: Mixture				
			<u>Classification</u>		
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
Hydrofilic, aliphatic polyisocyanate	CAS: 160994-68-3	50-75	Xn; R20 Xi; R37 R43 R52/53	Acute Tox. 4, H332 Skin Sens. 1, H317 STOT SE 3, H335i Aquatic Chronic 3, H412	[1]
			See Section 16 for the full text of the R- phrases declared above.	See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations 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.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

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

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### **SECTION 4: First aid measures**

4.1 Description of first aid m	eas	ures
General	:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Eye contact	:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Ingestion	:	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous 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 cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in nonallergic contact dermatitis and absorption through the skin. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Based on the properties of the isocyanate components and considering toxicological data on similar preparations, this preparation may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Repeated or prolonged contact with irritants may cause dermatitis.

Contains Hydrofilic, aliphatic polyisocyanate. May produce an allergic reaction.

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

Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>
Specific treatments	: No specific treatment.

See toxicological information (Section 11)

### SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	: Recommended: alcohol-resistant foam, CO <sub>2</sub> , powders, water spray or mist.
Unsuitable extinguishing media	: Do not use water jet.

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

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### **SECTION 5: Firefighting measures**

Ŭ	5	
Hazards from the substance or mixture	: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.	
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen, hydrogen cyanide, monomeric isocyanates.	
5.3 Advice for firefighters		
Special protective actions for fire-fighters	: Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.	
Special protective equipment for fire-fighters	: Appropriate breathing apparatus may be required.	

### **SECTION 6: Accidental release measures**

6.1 Personal precautions, pro	te	ctive equipment and emergency procedures
For non-emergency personnel	1	Exclude sources of ignition and ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.
6.2 Environmental precautions	:	Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.
6.3 Methods and materials 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 (see section 13). Place in a suitable container. The contaminated area should be cleaned immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no further reaction in an unsealed container. Once this stage is reached, close container and dispose of according to local regulations (see section 13).
6.4 Reference to other sections	:	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

### **SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

## Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used.

#### Examination of lung function should be carried out on a regular basis on persons spraying this preparation.

7.1 Precautions for safe handling	<ul> <li>Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. 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. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.</li> </ul>
	Care should be taken when re-opening partly-used containers. Precautions should be taken to minimize exposure to atmospheric humidity or water. CO <sub>2</sub> will be formed, which, in closed containers, could result in pressurization. Keep away from heat, sparks and flame. No sparking tools should be used.

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### **SECTION 7: Handling and storage**

	5 5
	<ul> <li>Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this preparation. Avoid inhalation of dust from sanding.</li> <li>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.</li> <li>Put on appropriate personal protective equipment (see Section 8).</li> <li>Never use pressure to empty. Container is not a pressure vessel.</li> <li>Always keep in containers made from the same material as the original one.</li> <li>Comply with the health and safety at work laws.</li> <li>Information on fire and explosion protection</li> <li>Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air.</li> </ul>
7.2 Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Notes on joint storage Keep away from: oxidizing agents, strong alkalis, strong acids. Additional information on storage conditions Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorized access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
7.3 Specific end use(s)	
Recommendations	: For professional users only.
Industrial sector specific	: For professional users only.

### **SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 8.1 Control parameters

solutions

#### Occupational exposure limits

No exposure limit value known.

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. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

#### **Derived effect levels**

No DELs available.

#### Predicted effect concentrations

No PECs available.

#### 8.2 Exposure controls

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be exposed to any process in which this product is used.

Examination of lung function should be carried out on a regular basis on persons spraying this preparation.

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### **SECTION 8: Exposure controls/personal protection**

Appropriate engineering	: Provide adequate ventilation. Where reasonably practicable, this should be achieved
controls	by the use of local exhaust ventilation and good general extraction. Air-fed protective respiratory equipment must be worn by the spray operator, even when good ventilation is provided. In other operations, if local exhaust ventilation and good general extraction are not sufficient to maintain concentrations of particulates and solvent vapors below the OEL, suitable respiratory protection must be worn. (See Personal Protection.)
Individual protection measured	<u>ures</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Use safety eyewear designed to protect against splash of liquids.
Skin protection	
Hand protection	: Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
Gloves	: For prolonged or repeated handling, use the following type of gloves:
	Recommended: nitrile rubber
	The recommendation for the type or types of glove to use when handling this product is based on information from the following source:
	The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Body protection	<ul> <li>Personnel should wear antistatic clothing made of natural fibers or of high- temperature-resistant synthetic fibers.</li> </ul>
Other skin protection	<ul> <li>Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> </ul>
Respiratory protection	<ul> <li>By spraying: air-fed respirator.</li> <li>By other operations than spraying, in well ventilated areas, air-fed respirators could be replaced by a combination charcoal filter and particulate filter mask.</li> </ul>
Environmental exposure controls	: Do not allow to enter drains or watercourses.

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Colorless.
Odor	: Sweetish. [Slight]
Odor threshold	: Not available.
рН	: Not available.
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: Closed cup: 65°C [Setaflash.]
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Burning time	: Not applicable.
Burning rate	: Not applicable.

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### **SECTION 9: Physical and chemical properties**

_	
Upper/lower flammability or explosive limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1,09
Solubility(ies)	: Insoluble in the following materials: cold water and hot water.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.
Explosive properties	: Not available.
Oxidizing properties	: Not available.

#### 9.2 Other information

No additional information.

SECTION 10: Stability and reactivity				
10.1 Reactivity	No specific test data related to reactivity available for this product or its in	gredients.		
10.2 Chemical stability	Stable under recommended storage and handling conditions (see section	7).		
10.3 Possibility of hazardous reactions	The product reacts slowly with water, resulting in the production of carbon closed containers, pressure buildup could result in distortion, expansion a extreme cases, bursting of the container.			
10.4 Conditions to avoid	In a fire, hazardous decomposition products may be produced.			
10.5 Incompatible materials	Keep away from: oxidizing agents, strong alkalis, strong acids, amines, al water. Uncontrolled exothermic reactions occur with amines and alcohols.			
10.6 Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition pr should not be produced.	oducts		

### **SECTION 11: Toxicological information**

11.1 Information on toxicological effects

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous 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 cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in nonallergic contact dermatitis and absorption through the skin. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Based on the properties of the isocyanate components and considering toxicological data on similar preparations, this preparation may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Repeated or prolonged contact with irritants may cause dermatitis.

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### **SECTION 11: Toxicological information**

Contains Hydrofilic, aliphatic polyisocyanate. May produce an allergic reaction.

Product/ingredient name	Result		Species		Dose	Exposure	
Hydrofilic, aliphatic polyisocyanate	LD50 Oral		Rat	>2000 mg/kg			
Conclusion/Summary	: Not available.						
rritation/Corrosion							
Product/ingredient name	Resu	lt	Species	Score	Exposure	Observation	
Hydrofilic, aliphatic polyisocyanate	Skin - Mild irritant		Rabbit	-	-	-	
	Eyes - Mild irritan	t	Rabbit	-	-	-	
Conclusion/Summary	: Not available.					•	
<u>Sensitization</u>							
Product/ingredient name	Route of exposure	Species			Result		
Hydrofilic, aliphatic polyisocyanate	skin	Guinea pig		Sens	Sensitizing		
Conclusion/Summary	: Not available.						
<u>Mutagenicity</u>							
Conclusion/Summary	: Not available.						
Carcinogenicity							
Conclusion/Summary	: Not available.						
Reproductive toxicity							
Conclusion/Summary	: Not available.						
<u>Feratogenicity</u>							
Conclusion/Summary	: Not available.						
the sector for more than	. Natavallahla						

**Other information** 

: Not available.

### **SECTION 12: Ecological information**

#### 12.1 Toxicity

There are no data available on the preparation itself. Do not allow to enter drains or watercourses.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See sections 3 and 15 for details.

Product/ingredient name	Result	Species	Exposure
Hydrofilic, aliphatic polyisocyanate	Acute EC50 >100 mg/l	Daphnia	48 hours
	Acute IC50 >100 mg/l Acute LC50 28,3 mg/l	Algae Fish	72 hours 96 hours
Conclusion/Summary	: Not available.		

Conclusion/Summary

#### 12.2 Persistence and degradability

Conclusion/Summary	: Not available.		
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Hydrofilic, aliphatic polyisocyanate	-	-	Not readily

#### **12.3 Bioaccumulative potential**

Not available.

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### **SECTION 12: Ecological information**

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.
12.5 Results of PBT and vF	vB assessment
РВТ	: Not applicable.
vPvB	: Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

### **SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Do not allow to enter drains or watercourses. Residues in empty containers should be neutralized with a decontaminant (see section 6).

Dispose of according to all federal, state and local applicable regulations.

#### 13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Hazardous waste	: Yes.
European waste catalogue (EWC)	<ul> <li>The European Waste Catalogue classification of this product, when disposed of as waste, is:</li> <li>08 01 11* waste paint and varnish containing organic solvents or other dangerous substances.</li> <li>If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority.</li> </ul>
Packaging	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
Special precautions	: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### **SECTION 14: Transport information**

	ADR/RID	ADN/ADNR	IMDG	ΙΑΤΑ
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
Data of issue/Data	of revision : 2013-1	1 14		Page: 9/1



Traffic Hardener					
<b>SECTION 14:</b>	Transport inform	ation			
14.4 Packing group	-	-	-	-	
14.5 Environmental hazards	No.	No.	No.	No.	
14.6 Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.		Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.	
Additional information	-	-	-	-	

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

### **SECTION 15: Regulatory information**

: Not available.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture			
EU Regulation (EC) No. 1907/2006 (REACH)			
Annex XIV - List of substan	ces subject to authorization		
Substances of very high concern			
None of the components are listed.			
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Not applicable.		
Other EU regulations			
VOC for Ready-for-Use Mixture	: Not applicable.		
Europe inventory	: Not determined.		
Black List Chemicals	: Not listed		
Priority List Chemicals	: Not listed		
Integrated pollution prevention and control list (IPPC) - Air	: Not listed		
Integrated pollution prevention and control list (IPPC) - Water	: Not listed		
Industrial use	: The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.		
International regulations			

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SECTION 15: Regulatory information			
Chemical Weapons Convention List Schedule I Chemicals	: Not listed		
Chemical Weapons Convention List Schedule II Chemicals	: Not listed		
Chemical Weapons Convention List Schedule III Chemicals	: Not listed		
15.2 Chemical Safety Assessment	This product contains substances for which Chemical Safety Assessments are still required.		
SECTION 16: Other information			
CEPE code	: 5		
Indicates information that has changed from previously issued version.			
Abbreviations and acronyms			
	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level EUH statement = CLP-specific Hazard statement PNEC = Predicted No Effect Concentration RRN = REACH Registration Number		
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]			
Acute Tox. 4, H332			
Skin Sens. 1, H317			
STOT SE 3, H335i			
Aquatic Chronic 3, H412			
Procedure used to derive the	classification according to	Regulation (EC) No. 1272/2008 [CLP/GHS]	
Classification		Justification	
Acute Tox. 4, H332 Skin Sens. 1, H317 STOT SE 3, H335i		Calculation method Calculation method Calculation method	
Aquatic Chronic 3, H412		Calculation method	
Full text of abbreviated H statements	: H317 May cause an a H332 Harmful if inhale	Illergic skin reaction. ed.	

Full text of classifications

H335i

H412

: Acute Tox. 4, H332

[CLP/GHS] Aquatic Chronic 3, H412 AQUATIC TOXICITY (CHRONIC) - Category 3 SKIN SENSITIZATION - Category 1 Skin Sens. 1, H317 STOT SE 3, H335i SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): INHALATION [Respiratory tract irritation] -Category 3 Full text of abbreviated R : R20- Harmful by inhalation. R37- Irritating to respiratory system. phrases R43- May cause sensitization by skin contact. R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Full text of classifications : Xn - Harmful Xi - Irritant [DSD/DPD] : 2013-11-14. **Date of printing** Date of issue/ Date of : 2013-11-14. revision Date of previous issue : No previous validation. Date of issue/Date of revision : 2013-11-14. Page: 11/12

May cause respiratory irritation.

Harmful to aquatic life with long lasting effects.

ACUTE TOXICITY: INHALATION - Category 4

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

: 1

#### Version

Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.



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