Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - United Kingdom (UK)

SAFETY DATA SHEET



ARALDITE STANDARD T HARDENER

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

1.1 Product identifier	
Product name	: ARALDITE STANDARD T HARDENER
Product code	: 00068949
Product description	:
1.2 Relevant identified uses of	of the substance or mixture and uses advised against
Product use	: Hardener for adhesive systems
1.3 Details of the supplier of	the safety data sheet
Supplier	: Huntsman Advanced Materials (Europe)BVBA Everslaan 45 3078 Everberg / Belgium Tel.: +41 61 299 20 41 Fax: +41 61 299 20 40
e-mail address of person responsible for this SDS	: Global_Product_EHS_AdMat@huntsman.com
1.4 Emergency telephone nu	mber
Supplier	
Telephone number	: EUROPE: +32 35 75 1234 France ORFILA: +33(0)145425959 ASIA: +65 6336-6011 China: +86 20 39377888 Australia: 1800 786 152 New Zealand: 0800 767 437 USA: +1/800/424.9300

SECTION 2: Hazards identification

2.1	Clas	si	fic	at	ion	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	-	Xi; R36/38 R43 R52/53
Human health hazards	:	Irritating to eyes and skin. May cause sensitisation 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 text	t o	the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard symbol or symbols :



Indication of danger

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SECTION 2: Hazards identification

Risk phrases	 R36/38- Irritating to eyes and skin. R43- May cause sensitisation by skin contact. R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases	 S2- Keep out of the reach of children. S24- Avoid contact with skin. S37- Wear suitable gloves. S46- If swallowed, seek medical advice immediately and show this container or label.
Hazardous ingredients	: polyamide resin triethylenetetramine tetraethylenepentamine
Supplemental label elements	: Not applicable.
Special packaging requirem	ients
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

			Clas	sification	
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
polyamide resin	-	30 - 60	Xi; R36/38 R43 R52/53	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1]
triethylenetetramine	CAS: 112-24-3	3 - 7	Xn; R21 C; R34 R43 R52/53	Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1]
tetraethylenepentamine	CAS: 112-57-2 Index: 612-060-00-0	3 - 7	Xn; R21/22 C; R34 R43 N; R51/53	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
pentaethylenehexamine	CAS: 4067-16-7 Index: 612-064-00-2	0.1 - 1	C; R34 R43 N; R50/53	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	[1]

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SECTION 3: Cor	nposition/informatio	on on ingredients		
		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 and hence require reporting in this section.

<u>Type</u>

[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.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	-	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	-	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
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.

Potential acute health effects	
Eye contact :	Irritating to eyes.
Inhalation :	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact :	Irritating to skin. May cause sensitisation by skin contact.

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SECTION 4: First	aid measures			
Ingestion	: Irritating to mouth, th	roat and stomach.		
Over-exposure signs/sy	<u>/mptoms</u>			
Eye contact	: Adverse symptoms irritation watering redness	may include the following:		
Inhalation	: No specific data.			
Skin contact	: Adverse symptoms irritation redness	may include the following:		
Ingestion	: No specific data.			
4.3 Indication of any imm	nediate medical attention ar	nd special treatment neede	d	
Notes to physician			n a fire, symptoms may be delayed. medical surveillance for 48 hours.	
Specific treatments	: Symptomatic treatment and supportive therapy as indicated. Following severe exposure the patient should be kept under medical review for at least 48 hours.			

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
5.2 Special hazards arising f	rom the substance or mixture
Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
5.3 Advice for firefighters	
Special precautions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. This material is harmful 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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SECTION 6: Accidental release measures

6.1 Personal precautions, prot	ective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material.
6.3 Methods and materials for	containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
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).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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SECTION 7: Handlin	ig and storage		
7.2 Conditions for safe storage, including any incompatibilities	accordance with lo sunlight in a dry, co (see section 10) an ready for use. Cor kept upright to pre	ool and well-ventilated area, av nd food and drink. Keep conta	al container protected from direct vay from incompatible materials iner tightly closed and sealed until d must be carefully resealed and unlabelled containers. Use
Storage hazard class Huntsman Advanced Materials	: Storage class 12, I	Liquids, not dangerous	
7.3 Specific end use(s)			
Recommendations	: Not available.		
Industrial sector specific solutions	: Not available.		

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

0	and a set of		Darie Maria
Occu	pational	exposure	iimits

No exposure limit value known.

procedures

Recommended monitoring : 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

Appropriate engineering controls	: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Individual protection measured	<u>ires</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	 Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
Skin protection	

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SECTION 8: Exposu	ire c	ontrols/perso	onal protection	
Hand protection				g with an approved standard should oducts if a risk assessment indicates
Material of gloves for long term application (BTT>480min):	:	butyl rubber, Ethyl \	/inyl Alcohol Laminate (EVAI	L)
Material of gloves for short term/splash application (10min <btt<480min):< td=""><td>:</td><td>nitrile rubber</td><td></td><td></td></btt<480min):<>	:	nitrile rubber		
(BTT = Break Through Time)				
		Suitability and dural duration of contact,	pility of a glove is dependent chemical resistance of glove	EN 374 (Europe), F739 (US). on usage, e.g. frequency and e material and dexterity. Always see ion can be found for instance at
Body protection	:		d the risks involved and show	uld be selected based on the task uld be approved by a specialist
Other skin protection	:	selected based on t		otection measures should be d the risks involved and should be oduct.
Respiratory protection	:	must be based on k		ry protection. Respirator selection re levels, the hazards of the product rator.
Environmental exposure controls	:	they comply with the cases, fume scrubb		

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties				
Appearance				
Physical state	Liquid.			
Colour	Yellowish.			
Odour	Amine-like.			
Odour threshold	Not available.			
рН	Not available.			
Melting point/freezing point	Not available.			
Initial boiling point and boiling range	Not available.			
Flash point	Closed cup: >150°C [DIN 51758 EN 22719 (Pensky-Martens Closed Cup)]			
Evaporation rate	Not available.			
Flammability (solid, gas)	Not available.			
Burning time	Not applicable.			
Burning rate	Not applicable.			
Upper/lower flammability or explosive limits	Not available.			
Vapour pressure	Not available.			
Vapour density	Not available.			
Relative density	Not available.			
Solubility(ies)				

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SECTION 9: Physical	and chemical p	roperties	
Water solubility	:		
	20 deg C		
	Insoluble		
Partition coefficient: n- octanol/water	: Not available.		
Auto-ignition temperature	: Not available.		
Decomposition temperature	Not available.		
Viscosity	: Dynamic: 25000	to 30000 mPa⋅s	
Explosive properties	: Not available.		
Oxidising properties	: Not available.		
9.2 Other information			
Density	: 0.97 g/cm ³ [25°C	(77°F)]	
-		(((()))	
SECTION 10: Stabilit	y and reactivity		
10.1 Reactivity	: No specific test data	related to reactivity available f	or this product or its ingredients.
10.2 Chemical stability	: The product is stable		
10.3 Possibility of hazardous reactions	: Under normal conditi	ons of storage and use, hazar	rdous reactions will not occur.
10.4 Conditions to avoid	: No specific data.		
10.5 Incompatible materials	: No specific data.		
10.6 Hazardous decomposition products	: Under normal conditi should not be produc		rdous decomposition products
	Carbon oxides. Nitro	gen oxides, Burning produces	obnoxious and toxic fumes.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Endpoint	Species	Result	Exposure
ARALDITE STANDARD T HARDENER	LD50 Oral	Rat	>2000 mg/kg	-
triethylenetetramine	LD50 Dermal	Rabbit - Male, Female	1465 mg/kg	-
	LD50 Oral	Rat - Male, Female	1716 mg/kg	-

Irritation/Corrosion

Conclusion/Summary

: Not available.

Sensitiser

Product/ingredient name	Test	Route of exposure	Species	Result
ARALDITE STANDARD T HARDENER	-	skin	Guinea pig	Sensitising
triethylenetetramine	OECD 406 Skin Sensitization	skin	Guinea pig	Sensitising

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SECTION 11: Toxicol	logical information	on				
Conclusion/Summary	: Not available.					
Mutagenicity						
Product/ingredient name	Test Result					
triethylenetetramine	-	- Positive - Negative				
Conclusion/Summary	: Not available.	Inege				
Carcinogenicity	. Not available.					
Reproductive toxicity						
Teratogenicity						
Information on the likely	: Not available.					
routes of exposure	. Not available.					
Potential acute health effect	ts					
Inhalation	: Exposure to decomp may be delayed follo		y cause a h	ealth hazard.	Serious effects	
Ingestion	: Irritating to mouth, throat and stomach.					
Skin contact	: Irritating to skin. May cause sensitisation by skin contact.					
Eye contact	: Irritating to eyes.					
Symptoms related to the ph	ysical, chemical and to	xicological charac	teristics			
Inhalation	: No specific data.					
Ingestion	: No specific data.					
Skin contact	: Adverse symptoms may include the following: irritation redness					
Eye contact	: Adverse symptoms n irritation watering redness	nay include the follo	wing:			
Delayed and immediate effe	cts and also chronic ef	fects from short a	nd long teri	<u>m exposure</u>		
Short term exposure						
Potential immediate	: Not available.					
effects						
Potential delayed effects	Not available					
Long term exposure						
Potential immediate effects	: Not available.					
Potential delayed effects	: Not available					
Potential chronic health effe						
Product/ingredient name	Test	Result typ	•	Result	Target organs	
					rarger organs	
triethylenetetramine	-	NOAEL	Sub- chronic NOAEL Oral	50 mg/kg/d	-	
Conclusion/Summary	: Not available.	<u> </u>		<u>.</u>		
General	: Once sensitized, a se to very low levels.	evere allergic reacti	on may occu	ır when subse	equently exposed	
Carcinogenicity	: No known significant effects or critical hazards.					
Mutagenicity	: No known significant effects or critical hazards.					
Torotogonicity	No known significant offects or critical hazards					

: No known significant effects or critical hazards.

Teratogenicity

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Developmental effects	: No known significant	effects or critical hazards.		
SECTION 11: Toxic	0			
	 No known significant 	effects or critical hazards.		
Fertility effects				

SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

Not applicable.

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

12.7 Other ecological information

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).

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste

European waste catalogue (EWC)

: Yes.

Waste code	Waste designation			
07 02 04*	04* other organic solvents, washing liquids and mother liquors			
Packaging Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.			

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SECTION 13: Disposal considerations

2

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 spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

14.1 UN number 14.2 UN proper shipping name

ADR/RID Not regulated.

not available

ADN/ADNR not available		n
IMDG	Not regulated.	-

IATA Not regulated.

	ADR/RID	ADN/ADNR	IMDG	ΙΑΤΑ
14.3 Transport hazard class(es)	-		-	-
14.4 Packing group	-		-	-
14.5 Environmental hazards	No.		No.	No.
14.6 Special precautions for user	Not available.		Not available.	Not available.
Additional information	-		-	-

14.7 Transport in bulk: Not applicable.according to Annex II ofMARPOL 73/78 and the IBCCode

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) Annex XIV - List of substances subject to authorisation Substances of very high concern None of the components are listed. Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles **Other EU regulations Europe inventory** : All components are listed or exempted. **Black List Chemicals** : Not listed **Priority List Chemicals** : Not listed

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SECTION 15: Regula	ntory	information	1	
Integrated pollution prevention and control list (IPPC) - Air	: No	t listed		
Integrated pollution prevention and control list (IPPC) - Water	: No	t listed		
National regulations				
References	reo	ognised abbrevia		er Regulation 6 of CHIP (CHIP is the d Information and Packaging d Safety at Work Act 1974.
International regulations				
Chemical Weapons Convention List Schedule I Chemicals	: No	t listed		
Chemical Weapons Convention List Schedule II Chemicals	: No	t listed		
Chemical Weapons Convention List Schedule III Chemicals	• • • •	t listed		
15.2 Chemical Safety Assessment		is product contair quired.	ns substances for which Cher	nical Safety Assessments are still

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] 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]

Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412

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

Class	ification		Justification	
Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412			Calculation method Calculation method On basis of test data Calculation method	
Full text of abbreviated H statements	: H302 H312 H314 H315 H317 H318 H319 H400 H410 H411	Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Causes serious eye irritation. Very toxic to aquatic life. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.		
Data of issue (Data of rovisi	441	•	5 5	10/11

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SECTION 16: Other	information		
	H412 Harmful to ac	uatic life with long lasting ef	ffects.
Full text of classifications [CLP/GHS]	Aquatic Chronic 2, H4	 AQUATIC TOXICITY (C AQUATIC TOXICITY (C AQUATIC TOXICITY (C SERIOUS EYE DAMAG 	N - Category 4 CUTE) - Category 1 CHRONIC) - Category 1 CHRONIC) - Category 2 CHRONIC) - Category 3 GE/ EYE IRRITATION - Category 1 GE/ EYE IRRITATION - Category 2 RITATION - Category 1B RITATION - Category 2
Full text of abbreviated R phrases	R34- Causes burns. R36/38- Irritating to ey R43- May cause sensi R50/53- Very toxic to a aquatic environment. R51/53- Toxic to aqua aquatic environment.	ntact with skin and if swallow es and skin. isation by skin contact. quatic organisms, may cause ic organisms, may cause lo	ved. se long-term adverse effects in the ng-term adverse effects in the e long-term adverse effects in the
Full text of classifications [DSD/DPD]	: C - Corrosive Xn - Harmful Xi - Irritant N - Dangerous for the	environment	
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