# SAFETY DATA SHEET



Torr Seal-Hysol IC A-B

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

1.1 Product identifier		
Product name	: Torr Seal-Hysol IC A-B	
Part No. (Kit)	: 9530001, 9530002, 9530	0004
Part No.	: Part A - RESIN Part B - HARDENER	Part A Part B

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

Identified uses

Analytical chemistry.

9530001: Part A - RESIN 82 g / Part B - HARDENER 36 g 9530002, 9530004 (Cartridge): Part A - RESIN & Part B - HARDENER: 56.7 g

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

Agilent Technologies Manufacturing GmbH & Co. KG Hewlett-Packard-Str. 8 76337 Waldbronn Germany 0800 603 1000 e-mail address of person : pdl-msds\_author@agilent.com responsible for this SDS

#### 1.4 Emergency telephone number

revision

Emergency telephone : CHEMTREC®: +(44)-870-8200418 number (with hours of operation)

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

2.1 Classification of the su	bstance or mixture		
Product definition	: Part A - RESIN Part B - HARDENER	Mixture Mixture	
Classification according 1	o Regulation (EC) No. 1272/	2008 [CLP/GHS]	
Part A - RESIN			
H315	SKIN CORROSION/IF	RRITATION - Category 2	
H319	SERIOUS EYE DAMA	GE/ EYE IRRITATION - Category 2	
H317	SKIN SENSITIZATION	N - Category 1	
H411	LONG-TERM AQUAT	IC HAZARD - Category 2	
Part B - HARDENER			
H314	SKIN CORROSION/IF	RRITATION - Category 1B	
H317	SKIN SENSITIZATION		
H350	CARCINOGENICITY		
H361f		JCTION (Fertility) - Category 2	
H371	SPECIFIC TARGET C	DRGAN TOXICITY (SINGLE EXPOSURE) - Category 2	
Ingredients of unknown	: Part A - RESIN	Not applicable.	
toxicity	Part B - HARDENER	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 20%	
Ingredients of unknown	Part A - RESIN	Not applicable.	
ecotoxicity	Part B - HARDENER	Percentage of the mixture consisting of ingredient(s) of	
containing		unknown hazards to the aquatic environment: 20%	
			_
Date of issue/Date of	: 21/08/2014	1	1/

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

Classification according to Directive 1999/45/EC [DPD]			
Part A - RESIN	The product is classified as dangerous according to Directive 1999/45/EC and its amendments.		
Part B - HARDENER	The product is class amendments.	The product is classified as dangerous according to Directive 1999/45/EC and its	
Classification	: Part A - RESIN	Xi; R36/38 R43 N; R51/53	
	Part B - HARDENER	Carc. Cat. 1; R49 Repr. Cat. 3; R62 C; R34 R43	
Human health hazards	: Part A - RESIN	Irritating to eyes and skin. May cause sensitisation by skin contact.	
	Part B - HARDENER	May cause cancer by inhalation. Possible risk of impaired fertility. Causes burns. May cause sensitisation by skin contact.	
Environmental hazards		Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
	Part B - HARDENER	Not applicable.	

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

Hazard pictograms		
Signal word	: Part A - RESIN Part B - HARDENER	Warning Danger
Hazard statements	: Part A - RESIN	<ul> <li>H319 - Causes serious eye irritation.</li> <li>H315 - Causes skin irritation.</li> <li>H317 - May cause an allergic skin reaction.</li> <li>H411 - Toxic to aquatic life with long lasting effects.</li> </ul>
	Part B - HARDENER	<ul> <li>H314 - Causes severe skin burns and eye damage.</li> <li>H317 - May cause an allergic skin reaction.</li> <li>H350 - May cause cancer.</li> <li>H361f - Suspected of damaging fertility.</li> <li>H371 - May cause damage to organs.</li> </ul>
Precautionary statements		
Prevention	: Part A - RESIN Part B - HARDENER	<ul> <li>P280 - Wear protective gloves. Wear eye or face protection.</li> <li>P273 - Avoid release to the environment.</li> <li>P201 - Obtain special instructions before use.</li> <li>P280 - Wear protective gloves. Wear eye or face protection.</li> <li>Wear protective clothing.</li> <li>P260 - Do not broothe vapour.</li> </ul>
Response	: Part A - RESIN Part B - HARDENER	<ul> <li>P260 - Do not breathe vapour.</li> <li>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P304 + P340 + P310 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician.</li> <li>P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.</li> <li>P303 + P361 + P353 + P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Immediately call a POISON CENTER or physician.</li> <li>P305 + P310 - IF IN EYES: Immediately call a POISON CENTER or physician.</li> </ul>

classification

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

SECTION 2: Hazard	sidentification	
Storage	: Part A - RESIN Part B - HARDENER	Not applicable. P405 - Store locked up.
Disposal	: Part A - RESIN Part B - HARDENER	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. P501 - Dispose of contents and container in accordance
	Pail D - HARDENER	with all local, regional, national and international regulations.
Hazardous ingredients	: Part A - RESIN	
	Reaction product: Bisph	enol-A-(Epichlorhydrin); epoxy resin
	<b>Part B - HARDENER</b> 2,2'-Iminodiethylamine Quartz (SiO2) Bisphenol A	
Supplemental label	: Part A - RESIN	Not applicable.
elements	Part B - HARDENER	Not applicable.
Special packaging require	ements	
Tactile warning of	: Part A - RESIN	Not applicable.
danger	Part B - HARDENER	Not applicable.
2.3 Other hazards		
Other hazards which do not result in	: Part A - RESIN Part B - HARDENER	None known. Causes digestive tract burns.

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

Substance/mixture	: Part A - RESIN Part B - HARDE	NER	Mixture Mixture		
			Classification		
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
<b>Part A - RESIN</b> Reaction product: Bisphenol-A- (Epichlorhydrin); epoxy resin	EC: 500-033-5 CAS: 25068-38-6 Index: 603-074-00-8	>=50 - <75	Xi; R36/38 R43 N; R51/53	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
<b>Part B - HARDENER</b> Quartz (SiO2)	EC: 238-878-4 CAS: 14808-60-7	>=20 - <25	Carc. Cat. 1; R49	Carc. 1A, H350 STOT SE 2, H371 (lungs) (inhalation)	[1]
2,2'-Iminodiethylamine	EC: 203-865-4 CAS: 111-40-0 Index: 612-058-00-X	>=20 - <25	Xn; R21/22 C; R34 R43	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Skin Sens. 1, H317	[1]
Bisphenol A	EC: 201-245-8 CAS: 80-05-7 Index: 604-030-00-0	>=5 - <10	Repr. Cat. 3; R62 Xi; R41, R37 R43 R52	Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361f (Fertility) STOT SE 3, H335 (Respiratory tract irritation)	[1] [2]
			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>

#### Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II - Europe

Torr Seal-Hysol IC A-B

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

[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

[5] Substance of equivalent concern

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

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

4.1 Description of fire	st aid measures	
Eye contact	: Part A - RESIN Part B - HARDENER	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. Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.
Inhalation	: Part A - RESIN	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.
	Part B - HARDENER	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. 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	: Part A - RESIN	Wash with plenty of soap and 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.
	Part B - HARDENER	Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and 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. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Torr Seal-Hysol IC A-B SECTION 4: First aid measures		
	Part B - HARDENER	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures i 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 feel 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. Chemical burns must be treated promptly by a physician. 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	: Part A - RESIN	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.
	Part B - HARDENER	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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 Potential acute health effects

Potential acute near	<u>n enects</u>	
Eye contact	: Part A - RESIN Part B - HARDENER	Causes serious eye irritation. Causes serious eye damage.
Inhalation	: Part A - RESIN Part B - HARDENER	No known significant effects or critical hazards. May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	: Part A - RESIN Part B - HARDENER	Causes skin irritation. May cause an allergic skin reaction. Causes severe burns. May cause an allergic skin reaction.
Ingestion	: Part A - RESIN Part B - HARDENER	Irritating to mouth, throat and stomach. Corrosive to the digestive tract. Causes burns. May cause burns to mouth, throat and stomach.

Over-exposure signs/symptoms

Torr Seal-Hysol IC A-B		
SECTION 4: Fir	st aid measures	
Eye contact	: Part A - RESIN	Adverse symptoms may include the following: pain or irritation watering redness
	Part B - HARDENER	Adverse symptoms may include the following: pain watering redness
Inhalation	: Part A - RESIN Part B - HARDENER	No specific data. Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Part A - RESIN	Adverse symptoms may include the following: irritation redness
	Part B - HARDENER	Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Part A - RESIN Part B - HARDENER	No specific data. Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations

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

: Part A - RESIN	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Part B - HARDENER	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.
: Part A - RESIN Part B - HARDENER	No specific treatment. No specific treatment.
	Part B - HARDENER : Part A - RESIN

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

5.1 Extinguishing media		
Suitable extinguishing media	: Part A - RESIN Part B - HARDENER	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Part A - RESIN Part B - HARDENER	None known. None known.

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

Hazards from the substance or mixture	: Part A - RESIN	In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
	Part B - HARDENER	In a fire or if heated, a pressure increase will occur and the container may burst.

Conforms to Regulation (EC) No	o. 1907/2006 (REACH), Annex II - Europe
--------------------------------	---

Torr Seal-Hysol IC A-B		
SECTION 5: Firefig	hting measures	
Hazardous combustion products	: Part A - RESIN	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds
	Part B - HARDENER	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
5.3 Advice for firefighters		
Special precautions for fire-fighters	: Part A - RESIN	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.
	Part B - HARDENER	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.
Special protective equipment for fire- fighters	: Part A - RESIN	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.
	Part B - HARDENER	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.

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

#### 6.1 Personal precautions, protective equipment and emergency procedures : Part A - RESIN For non-emergency No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. personnel 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. Part B - HARDENER 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. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. : Part A - RESIN If specialised clothing is required to deal with the spillage, For emergency take note of any information in Section 8 on suitable and responders unsuitable materials. See also the information in "For nonemergency personnel". If specialised clothing is required to deal with the spillage, Part B - HARDENER take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

6.2 Environmental precautions	: Part A - RESIN	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. May be harmful to the environment if released in large quantities. Collect spillage.
	Part B - HARDENER	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant
Date of issue/Date of revision	: 21/08/2014	7/19

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

authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning	າg up
--	-------

Methods for cleaning up	: Part A - RESIN	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.
	Part B - HARDENER	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.
6.4 Reference to other sections		ncy contact information. tion on appropriate personal protective equipment. anal waste treatment information.

# **SECTION 7: Handling and storage**

7.1 Precautions for safe h	nandling	
Protective measures	: Part A - RESIN	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. Avoid release to the environment. 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.
	Part B - HARDENER	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. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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	: Part A - RESIN	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.
	Part B - HARDENER	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.

Torr Seal-Hysol IC A-B		
SECTION 7: Handling and storage		
7.2 Conditions for safe storage, including any incompatibilities	: Part A - RESIN	Store between the following temperatures: 15 to 60°C (59 to 140°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
	Part B - HARDENER	Store between the following temperatures: 15 to 60°C (59 to 140°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
7.3 Specific end use(s)		
Recommendations	: Part A - RESIN Part B - HARDENER	Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: Not applicable.	

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

### 8.1 Control parameters

### Occupational exposure limits

Product/ingredient name		Exposure limit values	
<b>Part B - HARDENER</b> Bisphenol A		EU OEL (Europe, 12/2009). Notes: list of indicative occupational exposure limit values TWA: 10 mg/m³ 8 hours. Form: (inhalable dust)	
Recommended monitoring procedures	atmosphere or bid the ventilation or of protective equipm following: Europe assessment of ex values and measu atmospheres - Gu exposure to chem atmospheres - Ge measurement of of	contains ingredients with exposure limits, personal, workplace biological monitoring may be required to determine the effectiveness of or other control measures and/or the necessity to use respiratory pment. Reference should be made to monitoring standards, such as the opean Standard EN 689 (Workplace atmospheres - Guidance for the exposure by inhalation to chemical agents for comparison with limit asurement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment of nemical and biological agents) European Standard EN 482 (Workplace General requirements for the performance of procedures for the of chemical agents) Reference to national guidance documents for e determination of hazardous substances will also be required.	
Derived effect levels No DNELs available.			
Predicted effect concentra	<u>itions</u>		
No PNECs available.			
.2 Exposure controls			
Appropriate engineering controls	local exhaust vent	generate dust, fumes, gas, vapour or mist, use process enclosures, tilation or other engineering controls to keep worker exposure to nants below any recommended or statutory limits.	
Individual protection meas	sures		
ate of iceus/Date of	. 01/09/0014	0/4/	

Date of issue/Date of	: 21/08/2014
revision	

Torr Seal-Hyse	ol IC A-B
----------------	-----------

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

-	
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, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/ or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	: 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.
Respiratory protection	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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

### 9.1 Information on basic physical and chemical properties

Appearance		
Physical state	: Part A - RESIN Part B - HARDENER	Liquid. [Viscous liquid.] Liquid. [Viscous liquid.]
Colour	: Part A - RESIN Part B - HARDENER	White. Beige.
Odour	: Part A - RESIN Part B - HARDENER	Mild. Ammoniacal.
Odour threshold	: Part A - RESIN Part B - HARDENER	Not available. Not available.
рН	Part A - RESIN Part B - HARDENER	Not available. >7
Melting point/freezing point	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Initial boiling point and boiling range	: Part A - RESIN Part B - HARDENER	>150°C 207°C
Flash point	: Part A - RESIN Part B - HARDENER	>93°C >101.6°C
Evaporation rate	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Flammability (solid, gas)	: Part A - RESIN Part B - HARDENER	Not applicable. Not applicable.
Upper/lower flammability or explosive limits	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Date of issue/Date of	: 21/08/2014	

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

Vapour pressure	Part A - RESIN Not available. Part B - HARDENER Not available.	
Vapour density	Part A - RESIN Not available. Part B - HARDENER Not available.	
Relative density	Part A - RESIN Not available. Part B - HARDENER Not available.	
Solubility(ies)	Part A - RESIN Very slightly soluble in the following materials: cold water. Part B - HARDENER Partially soluble in the following material	water and hot
	hot water.	
Partition coefficient: n- octanol/water	Part A - RESIN Not available. Part B - HARDENER Not available.	
Auto-ignition temperature	Part A - RESIN Not available. Part B - HARDENER Not available.	
Decomposition temperature	Part A - RESIN Not available. Part B - HARDENER Not available.	
Viscosity	Part A - RESIN Not available. Part B - HARDENER Not available.	
Explosive properties	Part A - RESIN Not available. Part B - HARDENER Not available.	

#### 9.2 Other information

No additional information.

### **SECTION 10: Stability and reactivity**

10.1 Reactivity	: Part A - RESIN	No specific test data related to reactivity available for this product or its ingredients.
	Part B - HARDENER	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: Part A - RESIN	The product is stable.
	Part B - HARDENER	The product is stable.
10.3 Possibility of hazardous reactions	: Part A - RESIN	Under normal conditions of storage and use, hazardous reactions will not occur.
	Part B - HARDENER	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Part A - RESIN	oxidising agents, Alcohol and amines
	Part B - HARDENER	Oxidisers, Al, Cu, Alloying agents
10.5 Incompatible	: Part A - RESIN	No specific data.
materials	Part B - HARDENER	No specific data.
10.6 Hazardous decomposition products	: Part A - RESIN	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Part B - HARDENER	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

11.1 Information on toxicological effects Acute toxicity

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

Product/ingredient name	Result	Species	Dose	Exposure
Part A - RESIN				
Reaction product: Bisphenol- A-(Epichlorhydrin); epoxy resin	LD50 Oral	Rat	11.4 g/kg	-
Part B - HARDENER				
2,2'-Iminodiethylamine	LD50 Dermal	Rabbit	1090 mg/kg	-
	LD50 Oral	Rat	1080 mg/kg	-
Bisphenol A	LD50 Oral	Rat	1200 mg/kg	-

Acute toxicity estimates

Route	ATE value	
<b>Part B - HARDENER</b> Oral Dermal	4320 mg/kg 4360 mg/kg	

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Part A - RESIN					
Reaction product: Bisphenol- A-(Epichlorhydrin); epoxy resin	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 500 microliters	-
	Skin - Severe irritant	Rabbit	-	24 hours 2 milligrams	-
Part B - HARDENER					
2,2'-Iminodiethylamine	Skin - Moderate irritant	Rabbit	-	500 milligrams	-
Bisphenol A	Eyes - Severe irritant	Rabbit	-	24 hours 250 Micrograms	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	250 milligrams	-

#### <u>Sensitiser</u>

**Conclusion/Summary** : Not available.

Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Part B - HARDENER Quartz (SiO2) Bisphenol A	Category 2 Category 3	Inhalation Not applicable.	lungs Respiratory tract irritation

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

Not available.

#### Aspiration hazard

Not available.

# Information on the likely : Not available. routes of exposure

#### Potential acute health effects

Contornis to Regulation (	EC) NO. 190//2006 (REACH),	Annex II - Europe
Torr Seal-Hysol IC A-B		
SECTION 11: Toxi	cological informatio	n
Inhalation	: Part A - RESIN Part B - HARDENER	No known significant effects or critical hazards. May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	: Part A - RESIN Part B - HARDENER	Irritating to mouth, throat and stomach. Corrosive to the digestive tract. Causes burns. May cause burns to mouth, throat and stomach.
Skin contact	: Part A - RESIN Part B - HARDENER	Causes skin irritation. May cause an allergic skin reaction. Causes severe burns. May cause an allergic skin reaction.
Eye contact	: Part A - RESIN Part B - HARDENER	Causes serious eye irritation. Causes serious eye damage.
Symptoms related to the	<u>e physical, chemical and tox</u>	icological characteristics
Inhalation	: Part A - RESIN Part B - HARDENER	No specific data. Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Part A - RESIN Part B - HARDENER	No specific data. Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations
Skin contact	: Part A - RESIN Part B - HARDENER	Adverse symptoms may include the following: irritation redness Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations
Eye contact	: Part A - RESIN Part B - HARDENER	Adverse symptoms may include the following: pain or irritation watering redness Adverse symptoms may include the following: pain watering redness
Delaved and immediate	effects and also chronic effe	ects from short and long term exposure
Short term exposure		
Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Long term exposure Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	

# Potential chronic health effects

General : Part A - RESIN

Part B - HARDENER

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Torr Seal-Hysol IC A-B
------------------------

# **SECTION 11: Toxicological information**

Carcinogenicity	: Part A - RESIN Part B - HARDENER	No known significant effects or critical hazards. May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: Part A - RESIN Part B - HARDENER	No known significant effects or critical hazards. No known significant effects or critical hazards.
Teratogenicity	: Part A - RESIN Part B - HARDENER	No known significant effects or critical hazards. No known significant effects or critical hazards.
Developmental effects	: Part A - RESIN Part B - HARDENER	No known significant effects or critical hazards. No known significant effects or critical hazards.
Fertility effects	: Part A - RESIN Part B - HARDENER	No known significant effects or critical hazards. Suspected of damaging fertility.
<b>Toxicokinetics</b>		
Absorption	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Distribution	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Metabolism	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Elimination	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Other information	: Not available.	

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Part B - HARDENER			
2,2'-Iminodiethylamine	Acute EC50 345600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute LC50 53500 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 332 mg/l Fresh water	Fish	96 hours
	Chronic NOEC 5.6 mg/l	Daphnia	21 days
	Chronic NOEC 10 mg/l Marine water	Fish	28 days
Bisphenol A	Acute EC50 1000 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 7.75 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 1.34 mg/l Marine water	Crustaceans - Americamysis bahia - Larvae	48 hours
	Acute LC50 4600 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Chronic NOEC 30 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days
	Chronic NOEC 0.2 to 20 ppb Fresh water	Fish - Xiphophorus helleri - Juvenile (Fledgling, Hatchling, Weanling)	60 days

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Part B - HARDENER 2,2'-Iminodiethylamine	-	80 to 90 % - Inherent - 30 days	-	20 mg/l Activated sludge
Bisphenol A	OECD 301 301F Ready Biodegradability - Manometric Respirometry Test	>=76 % - Readily - 28 days	-	25 mg/l Activated sludge

# **SECTION 12: Ecological information**

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Part B - HARDENER 2,2'-Iminodiethylamine Bisphenol A	Marine water 2 to 4 days -	-	- Readily

#### **12.3 Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Part B - HARDENER 2,2'-Iminodiethylamine Bisphenol A	-5.58 3.4	2.8 to 6.3 20 to 67	low 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

PBT	: Not applicable.
vPvB	: Not applicable.

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

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

#### **13.1 Waste treatment methods**

#### Product

Methods of disposal
 The generation of waste should be avoided or minimised wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
 Hazardous waste

## European waste catalogue (EWC)

Waste code	Waste designation
Part A - RESIN 08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
<b>Part B - HARDENER</b> 08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
Packaging	
Methods of disposal	<ul> <li>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.</li> </ul>
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**

_	Special provisions 251, 340		
	ADR/RID	IMDG	IATA
14.1 UN number	UN3316	UN3316	UN3316
14.2 UN proper shipping name	CHEMICAL KIT	CHEMICAL KIT. Marine pollutant (Reaction product: Bisphenol-A- (Epichlorhydrin); epoxy resin)	Chemical kit
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	П	II	11
14.5 Environmental hazards	Yes.	Yes.	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	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. <u>Hazard identification</u> <u>number</u> 90 <u>Limited quantity</u> 0 <u>Special provisions</u> 251 340 <u>Tunnel code</u> (E)	The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. Emergency schedules (EmS) F-A, _S-P_ Special provisions 251, 340	The environmentally hazardous substance mark may appear if required by other transportation regulations. <b>Passenger and Cargo</b> <u>Aircraft</u> Quantity limitation: 10 kg Packaging instructions: 960 <u>Cargo Aircraft Only</u> Quantity limitation: 10 kg Packaging instructions: 960 <u>Limited Quantities -</u> <u>Passenger Aircraft</u> Quantity limitation: 1 kg Packaging instructions: 960 <u>Limited Quantities -</u> <u>Passenger Aircraft</u> Quantity limitation: 1 kg Packaging instructions: Y960 <u>Special provisions</u> A44, A163

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

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

0_0.000 i 0 i 0 gala				
15.1 Safety, health and enviro EU Regulation (EC) No. 190		/legislation specific	for the substance o	r mixture
Annex XIV - List of substar		orisation		
Substances of very high (				
None of the components a	are listed.			
Annex XVII - : Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Restricted to profess	sional users.		
Other EU regulations				
Europe inventory :	All components are	listed or exempted.		
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			
Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
<b>Part B - HARDENER</b> Quartz (SiO2) Bisphenol A	Carc. 1A, H350 -	-	-	- Repr. 2, H361f

#### **15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

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

Indicates information that has changed from previously issued version.

Abbreviations and	: ATE = Acute Toxicity Estimate
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

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

Classification	Justification	
Part A - RESIN		
Skin Irrit. 2, H315	Calculation method	
Eye Irrit. 2, H319	Calculation method	
Skin Sens. 1, H317	Calculation method	
Aquatic Chronic 2, H411	Calculation method	
Part B - HARDENER		
Skin Corr. 1B, H314	Calculation method	
Skin Sens. 1, H317	Calculation method	
Carc. 1A, H350	Calculation method	
Repr. 2, H361f (Fertility)	Calculation method	
STOT SE 2, H371	Calculation method	

(Fertility)

revision

# **SECTION 16: Other information**

irritation)       H350       May cause cancer.         H351       Suspected of damaging fertility.         H371       May cause damage to organs.         H371       Iungs) (inhalation)         Full text of classifications       Part A - RESIN         [CLP/GHS]       Aquatic Chronic 2, H411       LONG-TERM AQUATIC HAZARD - Category 2	Full text of abbreviated H	: Part A - RESIN	
H319       Caúses serious eyé irritation.         H411       Toxic to aquatic life with long lasting effects.         Part B - HARDENER       Harmful in contact with skin.         H312       Harmful in contact with skin.         H314       Causes serious eyé damage.         H315       Causes serious eyé damage.         H316       Causes serious eyé damage.         H317       May cause cancer.         H318       Causes cancer.         H317       May cause canage to organs.         H317       LONG-TERM AQUATIC HAZARD - Category 2         Skin Dirt. J. H318       SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2         Skin Dirt. J. H315       Skin Sens. 1, H317         Skin CORROSION/RIRTATION - Category 4       Acute Tox. 4, H302         Acute Tox. 4, H302       ACUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H302       ACUTE TOXICITY (erral) - Category 4         Skin Corr. 18, H314       SRINOUS EYE DAMAGE/ EYE IRRITATION - Category 1         Stor SE 2, H371       SPECIPIC TARGE	statements		
Full text of classifications       Part B - HARDENER         H312       Harmful if swallowed.         H312       Harmful in contact with skin.         H314       Causes severe skin burns and eye damage.         H317       May cause an allergic skin reaction.         H318       Causes severe skin burns and eye damage.         H317       May cause an allergic skin reaction.         H318       Causes serious eye damage.         H3361       (Fertility)         H3371       May cause damage to organs in inhaled. (lungs)         H3371       May cause damage to organs in inhaled. (lungs)         H3371       May cause damage to organs in inhaled. (lungs)         Skin Sens. 1, H317       Skin Sens. 1, H317         Skin Sens. 1, H317       Skin Sens. 1, H317         Skin Sens. 1, H317       Skin Sens. 1, H317         Skin Sens. 1, H317       Skin Sens. 1, H318         Skin Sens. 1, H318       Skin Sens. 1, H318         Skin Sens. 1, H318       Skin Sens TOXICITY (arral) - Category 1         Skin Sens. 1, H318       Skin Sens. TOXICITY (istration) - Category 1         Skin Sens. 1, H318       Skin Sens. TOXICITY (istration) - Category 1         Skin Sens. 1, H318       Skin Sens. TOXICITY (istration) - Category 1         Skin Corn. ROSION/RIRTATION - Category 1			
Part B - HARDENER H302 Harmful in contact with skin.         H314 H314 H314 H316 H316 H316 H316 H317 H318 H316 H318 H318 H318 H318 H318 H318 H318 H318			
H302     Harmful in Swallowed.       H312     Harmful in contact with skin.       H314     Causes serious eye damage.       H315     Causes serious eye damage.       H316     Causes serious eye damage.       H317     May cause respiratory intration. (Respiratory tract initial initiation)       H316     Causes serious eye damage.       H317     May cause cancer.       H317     May cause cancer.       H317     May cause damage to organs.       H317     Skin branchic 2. H411       Eye Imit 2. H315     SKin VORROSIONIRRITATION - Category 2       Skin int. 2. H315     SKIN ORROSIONIRRITATION - Category 1       Skin Sens. 1. H317     SKIN SENSTIZATION - Category 1       Skin Corr. 18, H318     SKIN CORROSIONIRRITATION - Category 1       Skin Sens. 1. H317     SKIN SENSITIZATION - Category 1       Skin Sens. 1. H317     SKIN SENSITIZATION - Category 1       Skin Sens. 1. H318     SKIN CORROSIONIRRITATION - Category 1       Skin Sens. 1. H317     SKIN SENSITIZATION - Category 1       Skin Sens. 1. H318     SKIN SENSITIZATION - Category 1			Toxic to aquatic life with long lasting effects.
H312Hamful in contact with skin.H314Causes sever skin burns and eye damage.H317May cause an allergic skin reaction.H318Causes sever skin burns and eye damage.H318Causes sever skin burns and eye damage.H319Causes sever skin burns and eye damage.H311May cause cancer.H312HaffillH313Sigpected of damaging fertility.H314May cause damage to organs in inhaled. (lungs)H317May cause damage to organs in inhaled. (lungs)H317Hamful in CONCTRENT AND A causes are compared to organs in inhaled. (lungs)H317Hamful in CONCTRENT AND A cause damage to organs in inhaled. (lungs)H317Hamful in CONCTRENT AND A cause cause to organs in inhaled. (lungs)H317Hamful in CONCTRENT AND A cause cause damage to organs in inhaled. (lungs)H317Hamful in CONCTRENT AND A cause cause to organs in inhaled. (lungs)H317Hamful in CONCTRENT AND A cause cause damage to organs in inhaled. (lungs)Skin Sens. 1, H317SKIN CONROSION/IRRITATION - Category 1Skin Sens. 1, H317SKIN CORROSION/IRRITATION - Category 1Rep. 2, H361FertilitySkin Corr. 1B, H314SKIN CORROSION/IRRITATION - Category 2Skin Corr. 1B, H314SKIN CORROSION/IRRITATION - Category 1Skin Corr. 1B, H314SKIN CORROSION/IRRITATION - Category 1Skin Corr. 1B, H314SKIN CORROSION/IRRITATION - Category 2Stort Se 2, H337SPECIFIC TARGET ORGAN TOXICITY (SINGLEEVPOSURE (Respiratory tractRespiratory tractRespirat			
H314Causes severe skin burns and eye damage. H377H376May cause an allergic skin reaction. (H386 (Respiratory tract irritation) H380H376May cause respiratory irritation. (Respiratory tract irritati mitation) H390H371May cause cancer. May cause damage to organs. H371H371May cause damage to organs. May cause damage to organs. H371H371May cause damage to organs. May cause damage to organs. H371 (lungs) (inhalation) May cause damage to organs. H371 (lungs) (inhalation) Skin irrit. 2, H319 Skin Cronic 2, H411EVE INT. 2, H371Skin Sens. 1, H317Skin Sens. 1, H317Skin Sens. 1, H317 Skin Sens. 1, H317Skin Sens. 1, H318ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H317 Acute Tox. 6CRNOSION/IRRITATION - Category 4 Care. 1A, H316 Skin Sens. 1, H317 Skin Sens. 1, H317 Shin SensCIT2ATION - Category 18 Skin Corn SE 2, H371 Stin SensCIT2ATION - Category 19 Sence Skin Corn Care Corn 1000000000000000000000000000000000000			
H317       May cause an allergic skin reaction.         H318       Causes serous aye damage.         H335       (Respiratory tract irritation)         H336       May cause arespiratory irritation. (Respiratory tract irritation)         H337       May cause cancer.         H337       (Lungs) (Inhalation)         H371       (Lungs) (Inhalation)         May cause damage to organs.       (Lungs)         H371       (Lungs) (Inhalation)         May cause damage to organs.       (Lungs)         H371       (Lungs) (Inhalation)         Strin Corr. 2, H371       SKIN CORROSION/IRRITATION - Category 2         Skin Korr. 1, H316       SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 4         Acute Tox. 4, H302       ACUTE TOXICITY (dermal) - Category 4         Carc. 1A, H350       CARCINOGENICTH - Category 1         Repr. 2, H361       SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2         Skin Corr. 1B, H314       Skin CORROSION/IRRITATION - Category 2         Skin Corr. 1B, H314       Skin CORROSION/IRRITATION - Category 2         Stror SE 2, H371       SPECIFIC TARGET O			
H318       Causes serious eve damage.         H335       (Respiratory tract irritation)         H336       (Respiratory tract irritation)         H361       (Fertility)         H371       May cause cancer.         Suspected of damaging fertility.       May cause damage to organs.         H371       Stin torn.         Aquatic Chronic 2, H411       LONG-TERM AQUATIC HAZARD - Category 2         Skin tord.       Stin torn.         Skin torn.       H317         Skin torn.       H317         Skin Korn.       H316         Cute Tox. 4, H302       ACUTE TOXICITY (oral) - Category 1         Stor.       Stor.       Stor.         Stor.       H314       Skin tord.			
H335 (Respiratory tract initiation) H360 H3611 (Fertility) H371       May cause cancer. Suspected of damaging fertility. May cause damage to organs. H371 (lungs) (inhalation) H3611 (Fertility) H371         Full text of classifications (CLP/GHS)       Part A - RESIN Aquatic Chronic 2, H411 Eye Int: 2, H319 Skin Irrit. 2, H319 Skin Irrit. 2, H319 Skin Sens. 1, H317       LONG-TERM AQUATIC HAZARD - Category 2 SKIN SEW DAMAGE/ EYE IRRITATION - Category 2 SKIN SEW DAMAGE/ EYE IRRITATION - Category 1 Acute Tox. 4, H302 Carc. 14, H350 CACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H312 Carc. 14, H350 Carc. 14, H350 Kin Corn. 18, H314 Skin Sens. 1, H317         Full text of abbreviated R ohrases       Part A - RESIN Rep. 2, H371 STOT SE 2, H371       ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H312 Carc. 14, H350 Carc. 14, H350 SKIN CORROSION/IRRITATION - Category 1 SKIN SENSITIZATION - Category 1 STOT SE 2, H371 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (lungs) (inhalation) STOT SE 2, H371 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract initiation)         Full text of abbreviated R ohrases       Part A - RESIN Part B - HARDENER Part B - HARDENER Pa			
Full text of classificationsH360May cause cancer. Suspected of damaging fertility. May cause damage to organs. H371 (lungs) (inhalation)Full text of classifications:Part A - RESIN Aquatic Chronic 2, H411 Eye Irrit, 2, H319 Skin Sens. 1, H317CONG-TERM AQUATIC HAZARD - Category 2 Skin Sens. 1, H317Part A - RESIN Acute Tox, 4, H302 Acute Tox, 4, H312 Carc. 1A, H350ACUTE TOXICITY (oral) - Category 4 Acute Tox, 4, H302 CARCINOGENICITY (carma) - Category 4 Acute Tox, 4, H312 Acute Tox, 4, H312 Acute Tox, 4, H314 Scini Sens. 1, H318 Scini Sens. 1, H318 Scini Sens. 1, H318 Scini Sens. 1, H318 Scini Sens. 1, H317 Stini Sens. 1, H317 Stini Sens. 1, H317 Stini Sens. 1, H318 Scini Sens. 1, H317 Stini Sens. 1, H317 Scini Sens. 1, H317 Scini Sens. 1, H318 Scini Sens. 1, H318 Scini Sens. 1, H317 Scini Sens. 1, H317 Scini Sens. 1, H317 Scini Sens. 1, H318 Scini Sens. 1, H318 Scini Sens. 1, H317 Scini Sens. 1, H317 Scini Sens. 1, H318 Scini Sens. 1, H317 Scini Sens. 1, H317 Scini Sens. 1, H318 Scini Sens. 1, H317 Scini Sens. 1, H317 Scini Sens. 1, H318 Scini Sens. 1, H318 Scini Sens. 1, H317 Scini Sens. 1, H317 Scini Sens. 1, H318 Scini Sens. 1, H317 Scini Sens. 1, H317<		H335 (Respiratory tract	May cause respiratory irritation. (Respiratory tract irritation)
Full text of classifications       H361f (Fertility)       Suspected of damaging fertility.         H371 (lungs) (inhalation)       May cause damage to organs. if inhaled. (lungs)         Full text of classifications       : Part A - RESIN         Aquatic Chronic 2, H411       LONG-TERM AQUATIC HAZARD - Category 2         Skin Int: 2, H315       Skin Sens. 1, H317         Skin Sens. 1, H317       SKIN SCROSIONIRTATION - Category 4         Acute Tox. 4, H320       Acute Tox. 4, H320         Acute Tox. 4, H320       AcUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H320       AcUTE TOXICITY (dermal) - Category 4         Acute Tox. 4, H320       CARCINOGENICITY - Category 1A         Eye Dam. 1, H318       SERIOUS EYE DAMAGE/ EYE IRITATION - Category 2         Stin Corr. 1B, H314       SKIN CORROSION/IRRITATION - Category 1         Stin Sens. 1, H317       SKIN SENSITIZATION - Category 2         STOT SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         EXPOSURE) - Category 2       STOT SE 2, H371         STOT SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         (lungs) (inhalation)       EXPOSURE) (ungs) (inhalation) - Category 2         STOT SE 3, H335       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         (lungs) (inhalation)       R63/38 - Initiating to eyes and skin.         R42 <td< th=""><th></th><th></th><th>May cause cancer</th></td<>			May cause cancer
Full text of classifications       H371       May cause damage to organs:         Full text of classifications       Part A - RESIN       Aquatic Chronic 2, H411       LONG-TERM AQUATIC HAZARD - Category 2         SERIOUS EVE DAMAGE/ EVE IRRITATION - Category 2       SERIOUS EVE DAMAGE/ EVE IRRITATION - Category 2         Skin Irnt. 2, H315       SKIN CORROSION/IRRITATION - Category 1         Part B - HARDENER       Acute Tox. 4, H302       ACUTE TOXICITY (orral) - Category 4         Acute Tox. 4, H302       Acute Tox. 4, H302       ACUTE TOXICITY (dermal) - Category 4         Acute Tox. 4, H302       Acute Tox RA, H312       CARCINOGENICITY - Category 1         Skin Sens. 1, H318       SERIOUS EVE DAMAGE/ EVE IRRITATION - Category 1         Skin Sens. 1, H318       SERIOUS EVE DAMAGE/ EVE IRRITATION - Category 1         Skin Sens. 1, H318       SERIOUS EVE DAMAGE/ EVE IRRITATION - Category 1         Skin Sens. 1, H317       SKIN CORROSION/IRRITATION - Category 1         Skin Sens. 1, H317       SKIN CORROSION/IRRITATION - Category 1         Stort SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         Stort SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         Grave 1, H318       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         Stort SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         Grave 1, H314       SKIN Sensitisation by skin contact. </td <td></td> <td></td> <td></td>			
Full text of classificationsH371 (lungs) (inheliation)May cause damage to organs if inhaled. (lungs)Full text of classifications:Part A - RESIN Aquatic Chronic 2, H411 Skin Ivit 2, H315 Skin Corx 4, H317LONG-TERM AQUATIC HAZARD - Category 2 Skin SENSITIZATION - Category 1Part B - HARDENER Acute Tox. 4, H302 Acute Tox. 4, H312ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H312 Acute Tox. 4, H312 Acute Tox. 4, H314ACUTE TOXICITY (oral) - Category 4 Acute Tox. 4, H314 SKIN SENSITIZATION - Category 4 Acute Tox. 4, H316 			
[CLP/GHS]       Aquatic Chronic 2, H411       LONG-TERM AQUATIC HAZRD - Category 2         Skin Irntt. 2, H319       SKIN CORROSION/IRITATION - Category 2         Skin Sens. 1, H317       SKIN CORROSION/IRITATION - Category 2         Skin Sens. 1, H317       SKIN CORROSION/IRITATION - Category 4         Acute Tox. 4, H302       ACUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H312       ACUTE TOXICITY (dermal) - Category 4         Carc. 1A, H350       CARCINOGENCITY - Category 1         Eye Dam. 1, H318       SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2         Skin Corr. 1B, H314       SKIN SORSION/IRRITATION - Category 1         Skin Sens. 1, H317       SKIN SENSITIZATION - Category 1         Stin Sens. 1, H317       SKIN SENSITIZATION - Category 1         Stin Sens. 1, H317       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         Stin Gor. 1B, H314       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         Stort SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         EVPOSURE)       Category 2         STOT SE 2, H375       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         Aphrases       Part A - RESIN       R36/38- Irritating to eyes and skin.         R43- May cause cancer by inhalation)       Category 2         STOT SE 2, H375       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         Part B - HARDENER			
Eye Irrit 2, H315       SERIOUS EYE DAMAGE! YE IRRITATION - Category 2         Skin Irrit 2, H315       SKIN CORROSION/IRRITATION - Category 1         Part B - HARDENER       Acute Tox. 4, H302         Acute Tox. 4, H317       SKIN SENSITIZATION - Category 4         Acute Tox. 4, H312       ACUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H312       ACUTE TOXICITY (dermal) - Category 4         Acute Tox. 4, H312       ACUTE TOXICITY (dermal) - Category 4         Acute Tox. 4, H312       ACUTE TOXICITY (dermal) - Category 4         Acute Tox. 4, H312       ACUTE TOXICITY (dermal) - Category 4         Strin Corr. 1B, H314       SERIOUS EYE DAMAGE! YE IRRITATION - Category 2         Skin Corr. 1B, H314       SKIN CORROSION/IRRITATION - Category 1         Stro TS E 2, H311       SECIPIC TARGET ORGAN TOXICITY (SINGLE         EXPOSURE) - Category 2       STOT SE 2, H311         STOT SE 2, H311       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         (lungs) (inhalation)       EXPOSURE) (lengs) (inhalation) - Category 2         STOT SE 3, H335       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         Full text of abbreviated R       :       Part A - RESIN         R43- May cause sensitisation by skin contact.       R5//33 - Toxic to aquatic organisms, may cause long-to adverse effects in the aquatic environment.         Part B - HARDENER       R49- May c	Full text of classifications	: Part A - RESIN	
Skin Irrit. 2, H315       SKIN CORROSION//RITATION - Category 2         Skin Sens. 1, H317       SKIN SENSITIZATION - Category 1         Part B - HARDENER       Acute Tox. 4, H302         Acute Tox. 4, H312       ACUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H315       CARCINOGENICITY - Category 1         Carc. 1A, H350       CARCINOGENICITY - Category 1         Repr. 2, H361f (Fertility)       TOXIC TO REPRODUCITON (Fertility) - Category 1         Skin Sens. 1, H317       SKIN SENSITIZATION - Category 1         Skin Sens. 1, H317       SKIN CORROSION/IRRITATION - Category 1         Stor SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2         STOT SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE (ungs) (inhalation) - Category 2         STOT SE 3, H335       SPECIFIC TARGET ORGAN TOXICITY (SINGLE (ungs) (inhalation) - Category 2         STOT SE 3, H335       SPECIFIC TARGET ORGAN TOXICITY (SINGLE (ungs) (inhalation) - Category 2         STOT SE 3, H335       SPECIFIC TARGET ORGAN TOXICITY (SINGLE (ungs) (inhalation) - Category 2         STOT SE 3, H335       SPECIFIC TARGET ORGAN TOXICITY (SINGLE (ungs) (inhalation) - Category 2         Put text of abbreviated R       : Part A - RESIN         Phrases       : Part A - RESIN         Part B - HARDENER       R49- May cause cancer by inhalation.         R62- Possible ris	[CLP/GHS]	Aquatic Chronic 2, H411	LONG-TERM AQUATIC HAZARD - Category 2
Skin Sens. 1, H317       SKIN SENSITIZATION - Category 1         Part B - HARDENER       Acute Tox. 4, H322       ACUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H312       ACUTE TOXICITY (oral) - Category 4         Carc. 1A, H350       CARCINOGENICITY - Category 1         Eye Dam. 1, H318       SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 4         Skin Corr. 1B, H314       SKIN SENSITIZATION - Category 1         Skin Corr. 1B, H314       SKIN SENSITIZATION - Category 1         Stor Set 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2         STOT SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (ungs) (inhalation) - Category 2         STOT SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Ungs) (inhalation) - Category 3         STOT SE 3, H335       SPECIFIC TARGET ORGAN TOXICITY (SINGLE (Respiratory tract irritation)         Full text of abbreviated R       : Part A - RESIN         Phrases       : Part A - RESIN         Part B - HARDENER       R49- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact. R51/53 Toxic to aquatic organisms. may cause long-te adverse effects in the aquatic organisms. R41 - Risk of serious damage to eyes. R37 - Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms. R41 - Risk of serious damage to eyes. R37 - Irritating to respiratory system. R43 - May cause sensitisation by skin contact. R52- Harmful to aqu			SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Part B - HARDENER       Acute Tox. 4, H302       ACUTE TOXICITY (oral) - Category 4         Acute Tox. 4, H312       ACUTE TOXICITY (oral) - Category 4         Carc. 1A, H350       CARCINOGENICITY - Category 1A         Eye Dam. 1, H318       SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2         Skin Corr. 1B, H314       SKIN CORROSION/IRRITATION - Category 1B         Skin Sens. 1, H317       STOT SE 2, H371         STOT SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         EXPOSURE) (Luggs) (inhalation)       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         STOT SE 2, H371       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         (luggs) (inhalation)       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         STOT SE 3, H335       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         (lugs) (inhalation)       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         STOT SE 3, H335       SPECIFIC TARGET ORGAN TOXICITY (SINGLE         Full text of abbreviated R       Part A - RESIN         Phrases       Part A - RESIN         R41- Rik of serious damage to eyes.         R37- Irritating to respriatory system.         R43- May cause sensitisation by skin contact.         R51/S3- Toxic to reproduction category 1         Rest A - RESIN       Xi - Irritant         Part B - HARDENER       Yale Serious damage to eyes. <tr< td=""><td></td><td></td><td></td></tr<>			
Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H312 Carc. 1A, H350 Eye Dam. 1, H318 Sterilous Eve DAMAGE/ EYE IRRITATION - Category 4 CARCINOGENICITY - Category 1A Eye Dam. 1, H318 Sterilous Eve DAMAGE/ EYE IRRITATION - Category 1 Stin Corn. 1B, H314 Skin Sens. 1, H317 STOT SE 2, H371 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE (Respiratory tract irritation)Full text of abbreviated R phrases:Part A - RESIN Part B - HARDENER Part B - HARDENERR36/38- Irritating to eyes and skin. R43-May cause sensilisation by skin contact. R42-Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43-May cause sensilisation by skin contact. R52- Harmful to aquatic organisms. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43-May cause sensilisation by skin contact. R52- Harmful to aquatic organisms.Full text of classifications [DSD/DPD]:Part A - RESIN Part A - RESIN N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision:21/08/2014Date of previous issue:04/08/2011. <td></td> <td>Skin Sens. 1, H317</td> <td>SKIN SENSITIZATION - Category 1</td>		Skin Sens. 1, H317	SKIN SENSITIZATION - Category 1
Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H312 Carc. 1A, H350 Eye Dam. 1, H318 Sterilous Eve DAMAGE/ EYE IRRITATION - Category 4 CARCINOGENICITY - Category 1A Eye Dam. 1, H318 Sterilous Eve DAMAGE/ EYE IRRITATION - Category 1 Stin Corn. 1B, H314 Skin Sens. 1, H317 STOT SE 2, H371 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE (Respiratory tract irritation)Full text of abbreviated R phrases:Part A - RESIN Part B - HARDENER Part B - HARDENERR36/38- Irritating to eyes and skin. R43-May cause sensilisation by skin contact. R42-Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43-May cause sensilisation by skin contact. R52- Harmful to aquatic organisms. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43-May cause sensilisation by skin contact. R52- Harmful to aquatic organisms.Full text of classifications [DSD/DPD]:Part A - RESIN Part A - RESIN N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision:21/08/2014Date of previous issue:04/08/2011. <td></td> <td>Part B - HARDENER</td> <td></td>		Part B - HARDENER	
Acute Tox. 4, H312Acute Tox. 4, H312Acute Tox. 4, H312Carc. 1A, H350CARCINOGENICITY - Category 1AEye Dam. 1, H318SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2Repr. 2, H3611 (Fertility)Skin Corr. 1B, H314Skin Sens. 1, H317SKIN CORROSIO//IRRITATION - Category 1STOT SE 2, H371SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2STOT SE 2, H371SPECIFIC TARGET ORGAN TOXICITY (SINGLE (lungs) (inhalation)STOT SE 3, H335SPECIFIC TARGET ORGAN TOXICITY (SINGLE (Respiratory tract irritation)Full text of abbreviated R phrases: Part A - RESINPart B - HARDENERR36/38- Irritating to eyes and skin. R41-Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52-Harmful to aquatic organisms.Full text of classifications [DSD/DPD]: Part A - RESINFull text of classifications (DSD/DPD]: Part A - RESINFull text of classification			ACUTE TOXICITY (oral) - Category 4
Eye Dam. 1, H318 Repr. 2, H361f (Fertility) Skin Corr. 1B, H314 Skin Sens. 1, H317 STOT SE 2, H371SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 1B SKIN CORROSION/IRRITATION - Category 1B SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2 STOT SE 2, H371Full text of abbreviated R phrases: Part A - RESIN Part B - HARDENERR36/38- Irritating to eyes and skin. R43- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Also harmful in contact with skin and if swallow R34- Causes burns.Full text of classifications (DSD/DPD): Part A - RESIN Part B - HARDENERR36/38- Irritating to respiratory system. R43- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms. X1- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to action category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014 <td></td> <td></td> <td>ACUTE TOXICITY (dermal) - Category 4</td>			ACUTE TOXICITY (dermal) - Category 4
Repr. 2, H361f (Fertility) Skin Corr. 1B, H314 Skin Sens. 1, H317 STOT SE 2, H371TOXIC TO REPRODUCTION (Fertility) - Category 2 SKIN CORROSION/IRRITATION - Category 1 SKIN SENS.1, H317 SFOT SE 2, H371 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE (lungs) (inhalation) STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE (Respiratory tract irritation)Full text of abbreviated R ohrases: Part A - RESIN Part B - HARDENERR36/38 - Irritating to eyes and skin. R43- May cause sensitisation by skin contact. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34 - Causes burns. R44 - Risk of serious damage to eyes. R37 - Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms. R37 - Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms.Full text of classifications (DSD/DPD): Part A - RESIN Part B - HARDENERXi - Irritant N - Dangerous for the environment. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms. Xi - Irritant N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.		Carc. 1A, H350	CARCINOGENICITY - Category 1A
Skin Corr. 1B, H314 Skin Sens. 1, H317 STOT SE 2, H371SKIN CORROSION/IRRITATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (lungs) (inhalation) STOT SE 2, H371 STOT SE 3, H335 (Respiratory tract irritation)SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (lungs) (inhalation) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (lungs) (inhalation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 specific target or adverse effects in the aquatic environment. Part B - HARDENERFull text of abbreviated R phrases: Part A - RESINR36/38- Irritating to eyes and skin. R43-May cause sensitisation by skin contact. R51/53- Toxic to aquatic organisms, may cause long-te adverse effects in the aquatic environment. R49- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallov R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms. Xi - Irritant N - Dangerous for the environment Part B - HARDENERFull text of classifications (DSD/DPD): Part A - RESIN Part B - HARDENERXi - Irritant Repr. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantCate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.			
Skin Sens. 1, H317 STOT SE 2, H371SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE (lungs) (inhalation) STOT SE 3, H335 (Respiratory tract irritation)SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE (lungs) (inhalation) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE (Respiratory tract irritation)Full text of abbreviated R:Part A - RESIN Part B - HARDENERR36/38- Irritating to eyes and skin. R43- May cause sensitisation by skin contact. R51/53- Toxic to aquatic organisms, may cause long-te adverse effects in the aquatic environment. Part B - HARDENERFull text of classifications:Part A - RESIN Part B - HARDENERR36/38- Irritating to eyes and skin. R43- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms.Full text of classifications:Part A - RESIN Part B - HARDENERXi - Irritant N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision:21/08/2014Date of previous issue:04/08/2011.			
STOT SE 2, H371SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 2 STOT SE 2, H371Full text of abbreviated R phrases: Part A - RESINR36/38- Irritating to eyes and skin. R43- May cause sensitisation by skin contact. R51/53- Toxic to aquatic environment. Part B - HARDENERR49- May cause cancer by inhalation. R62- Possible risk of sensitisation by skin contact. R51/53- Toxic to aquatic organisms. R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns.Full text of classifications (DSD/DPD]: Part A - RESINXi - Irritating R43- May cause cancer by inhalation. R62- Possible risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause cancer by inhalation. R62- Possible risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause cancer by inhalation. R62- Possible risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause cancer by inhalation by skin contact. R52- Harmful to aquatic organisms. R41- Risk of serious for the environment Part B - HARDENERFull text of classifications (DSD/DPD]: Part A - RESIN Part B - HARDENERXi - Irritant Regr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xi - Irritant N - Dangerous for the environment Part B - HARDENERDate of issue/ Date of revision: 21/08/2014 : 04/08/2011.: Irritant Regr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xi - Irritant			
EXPOSURE) - Category 2STOT SE 2, H371 (lungs) (inhalation) STOT SE 3, H335 (Respiratory tract irritation)SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (lungs) (inhalation) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE (Respiratory tract irritation)Full text of abbreviated R phrases: Part A - RESINR36/38- Irritating to eyes and skin. R43- May cause sensitisation by skin contact. R51/53- Toxic to aquatic organisms, may cause long-te adverse effects in the aquatic environment. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns.Full text of classifications (DSD/DPD): Part A - RESINXi - Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns.Full text of classifications (DSD/DPD): Part A - RESINXi - Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms. Xi - Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms.Full text of classifications (DSD/DPD): Part A - RESINXi - Irritating Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.			
STOT SE 2, H371 (lungs) (inhalation) STOT SE 3, H335 (Respiratory tract irritation)SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (lungs) (inhalation) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE (Respiratory tract irritation)Full text of abbreviated R phrases: Part A - RESINR36/38 - Irritating to eyes and skin. R43 - May cause sensitisation by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-te adverse effects in the aquatic environment. R62 - Possible risk of serious damage to eyes. R37 - Irritating to respiratory system. R43 - May cause sensitisation by skin contact. R62 - Possible risk of serious damage to eyes. R37 - Irritating to aquatic organisms.Full text of classifications (DSD/DPD): Part A - RESIN Part B - HARDENERXi - Irritant R43 - May cause sensitisation by skin contact. R52 - Harmful to aquatic organisms. Xi - Irritant N - Dangerous for the environment Part B - HARDENERXi - Irritant Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014: 04/08/2011.		STOT SE 2, H371	
(lungs) (inhalation) STOT SE 3, H335 (Respiratory tract irritation)EXPOSURE) (lungs) (inhalation) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE (Respiratory tract irritation)Full text of abbreviated R phrases: Part A - RESINR36/38- Irritating to eyes and skin. R43- May cause sensitisation by skin contact. R51/53- Toxic to aquatic organisms, may cause long-te adverse effects in the aquatic environment. R49- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns.Full text of classifications [DSD/DPD]: Part A - RESINR41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms. Xi - Irritating to respiratory system. R43- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns.Full text of classifications [DSD/DPD]: Part A - RESIN Part B - HARDENERXi - Irritating Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.			
STOT SE 3, H335 (Respiratory tract irritation)SPECIFIC TARGÉT ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 irritation) - Category 3Full text of abbreviated R phrases: Part A - RESINR36/38 - Irritating to eyes and skin. R43 - May cause sensitisation by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-te adverse effects in the aquatic environment. R49 - May cause cancer by inhalation. R62 - Possible risk of impaired fertility. R21/22 - Also harmful in contact with skin and if swallow R34 - Causes burns. R41 - Risk of serious damage to eyes. R37 - Irritating to respiratory system. R43 - May cause sensitisation by skin contact. R52 - Harmful to aquatic organisms.Full text of classifications (DSD/DPD): Part A - RESINXi - Irritatin N - Dangerous for the environment N - Dangerous for the environmentFull text of classifications (DSD/DPD): Part A - RESIN Part B - HARDENERXi - Irritant N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.			
(Respiratory tract irritation)EXPOSURE) (Respiratory tract irritation) - Category 3Full text of abbreviated R phrases: Part A - RESINR36/38- Irritating to eyes and skin. R43- May cause sensitisation by skin contact. R51/53- Toxic to aquatic organisms, may cause long-te adverse effects in the aquatic environment. R49- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms.Full text of classifications (DSD/DPD]: Part A - RESIN Part B - HARDENERXi - Irritant N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.			
Full text of abbreviated R phrases: Part A - RESINR36/38- Irritating to eyes and skin. R43- May cause sensitisation by skin contact. R51/53- Toxic to aquatic organisms, may cause long-te adverse effects in the aquatic environment. R49- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallov R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms.Full text of classifications (DSD/DPD): Part A - RESIN Part B - HARDENERXi - Irritant Repr. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantXi - IrritantDate of issue/ Date of revision: 21/08/2014: 21/08/2011.		•	
phrases       R43- May cause sensitisation by skin contact.         R51/53- Toxic to aquatic organisms, may cause long-te adverse effects in the aquatic environment.         Part B - HARDENER       R49- May cause cancer by inhalation.         R62- Possible risk of impaired fertility.       R21/22- Also harmful in contact with skin and if swallow         R34- Causes burns.       R41- Risk of serious damage to eyes.         R37- Irritating to respiratory system.       R43- May cause sensitisation by skin contact.         R52- Harmful to aquatic organisms.       Xi - Irritant         [DSD/DPD]       Part B - HARDENER       Xi - Irritant         Part B - HARDENER       Xi - Irritating to respiratory system.         R43- May cause sensitisation by skin contact.       R52- Harmful to aquatic organisms.         Xi - Irritating to respiratory system.       R43- May cause sensitisation by skin contact.         R52- Harmful to aquatic organisms.       Xi - Irritating to respiratory system.         R43- May cause sensitisation by skin contact.       R52- Harmful to aquatic organisms.         (DSD/DPD)       Part B - HARDENER       Xi - Irritant         Part B - HARDENER       Carc. Cat. 1 - Carcinogen category 1         Repr. Cat. 3 - Toxic to reproduction category 3       C - Corrosive         Xi - Irritant       N - Harmful         Xi - Irritant       Xi - Irritant			
R51/53- Toxic to aquatic organisms, may cause long-te adverse effects in the aquatic environment.Part B - HARDENERR49- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallov R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms.Full text of classifications: Part A - RESIN Part B - HARDENERXi - Irritant Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.	Full text of abbreviated R	: Part A - RESIN	
Part B - HARDENERadverse effects in the aquatic environment. R49- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms.Full text of classifications (DSD/DPD): Part A - RESIN Part B - HARDENERXi - Irritant N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.	phrases		, , ,
Part B - HARDENERR49- May cause cancer by inhalation. R62- Possible risk of impaired fertility. R21/22- Also harmful in contact with skin and if swallow R34- Causes burns. R41- Risk of serious damage to eyes. R37- Irritating to respiratory system. R43- May cause sensitisation by skin contact. R52- Harmful to aquatic organisms.Full text of classifications (DSD/DPD)Part A - RESIN Part B - HARDENERXi - Irritant N - Dangerous for the environment Part B - HARDENERPatt B - HARDENERCarc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revisiont 21/08/2014Date of previous issuet 04/08/2011.			
R62- Possible risk of impaired fertility.         R21/22- Also harmful in contact with skin and if swallow         R34- Causes burns.         R41- Risk of serious damage to eyes.         R37- Irritating to respiratory system.         R43- May cause sensitisation by skin contact.         R52- Harmful to aquatic organisms.         Full text of classifications         :       Part A - RESIN         DSD/DPD         :       Part A - RESIN         Part B - HARDENER         :       Carc. Cat. 1 - Carcinogen category 1         Repr. Cat. 3 - Toxic to reproduction category 3         :       C - Corrosive         :       N - Harmful         :       Irritant         Date of issue/ Date of       :         :       04/08/2011.			
R21/22- Also harmful in contact with skin and if swallow R34- Causes burns.         R41- Risk of serious damage to eyes.         R37- Irritating to respiratory system.         R43- May cause sensitisation by skin contact.         R52- Harmful to aquatic organisms.         Yi - Irritating to respiratory system.         R43- May cause sensitisation by skin contact.         R52- Harmful to aquatic organisms.         Yi - Irritatint         Yi - Dangerous for the environment         Part B - HARDENER         Part B - HARDENER         Carc. Cat. 1 - Carcinogen category 1         Repr. Cat. 3 - Toxic to reproduction category 3         C - Corrosive         Xn - Harmful         Xi - Irritant         Date of issue/ Date of       : 21/08/2014         Pate of previous issue       : 04/08/2011.		Part B - HARDENER	
Full text of classifications [DSD/DPD]: Part A - RESIN Part B - HARDENERXi - Irritant N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.			
Full text of classifications       : Part A - RESIN       Xi - Irritating to respiratory system.         Full text of classifications       : Part A - RESIN       Xi - Irritant         PDSD/DPD       Part B - HARDENER       Carc. Cat. 1 - Carcinogen category 1         Repr. Cat. 3 - Toxic to reproduction category 3       C - Corrosive         Xn - Harmful       Xi - Irritant         Date of issue/ Date of       : 21/08/2014         Date of previous issue       : 04/08/2011.			
Full text of classifications (DSD/DPD): Part A - RESIN Part B - HARDENERXi - Irritant N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.			
Full text of classifications [DSD/DPD]: Part A - RESIN Part B - HARDENERXi - Irritant N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - IrritantDate of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.			
Full text of classifications       : Part A - RESIN       Xi - Irritant         [DSD/DPD]       Part B - HARDENER       Xi - Irritant         Part B - HARDENER       Carc. Cat. 1 - Carcinogen category 1         Repr. Cat. 3 - Toxic to reproduction category 3         C - Corrosive         Xn - Harmful         Xi - Irritant         Date of issue/ Date of         revision         Date of previous issue         i 04/08/2011.			
[DSD/DPD]       Part B - HARDENER       N - Dangerous for the environment Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - Irritant         Date of issue/ Date of revision       : 21/08/2014         Date of previous issue       : 04/08/2011.			
Part B - HARDENER Carc. Cat. 1 - Carcinogen category 1 Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - Irritant Date of previous issue : 04/08/2011.	Full text of classifications	: Part A - RESIN	
Repr. Cat. 3 - Toxic to reproduction category 3 C - Corrosive Xn - Harmful Xi - Irritant Date of previous issue : 04/08/2011.			
C - Corrosive Xn - Harmful Xi - Irritant Date of issue/ Date of : 21/08/2014 revision Date of previous issue : 04/08/2011.		Part B - HARDENER	
Xn - Harmful         Xi - Irritant         Date of issue/ Date of : 21/08/2014         revision         Date of previous issue : 04/08/2011.			
Xi - Irritant Date of issue/ Date of : 21/08/2014 revision Date of previous issue : 04/08/2011.			
Date of issue/ Date of revision: 21/08/2014Date of previous issue: 04/08/2011.			
revision Date of previous issue : 04/08/2011.	Data of issue/ Data of	. 21/08/2014	
Date of previous issue : 04/08/2011.		. 21/00/2014	
		· 04/08/2011	
	* GI SIOII	. 2	
Date of issue/Date of : 21/08/2014	Date of issue/Date of	: 21/08/2014	18/1

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

Torr Seal-Hysol IC A-B

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

#### Notice to reader

Disclaimer: The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.