



Agilent Technologies Australia Pty Ltd
347 Burwood Highway
Forest Hill
Victoria 3131, Australia
1800 802 402

Torr Seal/Hysol IC A/B

1 . Identification of the material and supplier

Names

Product name : Torr Seal/Hysol IC A/B
Part No. (Chemical Kit) : 9530001_9530002_9530004
Part No. : Part A - RESIN Part A
Part B - HARDENER Part B
ADG : CHEMICAL KIT

Supplier

Supplier/Manufacturer : Agilent Technologies Australia Pty Ltd
347 Burwood Highway
Forest Hill
Victoria 3131, Australia
1800 802 402

Emergency telephone number : Chemtrec: +(61)-290372994

Uses

Area of application : Part A - RESIN Industrial applications, Professional applications.
Part B - HARDENER Industrial applications, Professional applications.
Material uses : Analytical chemistry.
Part A - RESIN
Part B - HARDENER

2 . Hazards identification

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

Risk phrases : Part A - RESIN R36/38- Irritating to eyes and skin.
R43- May cause sensitisation by skin contact.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Part B - HARDENER R49- May cause cancer by inhalation.
R62- Possible risk of impaired fertility.
R34- Causes burns.
R43- May cause sensitisation by skin contact.

Safety phrases : Part A - RESIN S24- Avoid contact with skin.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37- Wear suitable gloves.
S60- This material and its container must be disposed of as hazardous waste.
S61- Avoid release to the environment. Refer to special instructions/safety data sheet.
Part B - HARDENER S53- Avoid exposure - obtain special instructions before use.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

2 . Hazards identification

S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
 S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S60- This material and its container must be disposed of as hazardous waste.

Statement of hazardous/dangerous nature

: Part A - RESIN
 Part B - HARDENER

HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
 HAZARDOUS SUBSTANCE. DANGEROUS GOODS.

3 . Composition/information on ingredients

Mixture

: Part A - RESIN
 Part B - HARDENER

Yes.
 Yes.

Ingredient name	CAS number	Concentration
Part A - RESIN Reaction product: Bisphenol-A-(Epichlorhydrin); epoxy resin	25068-38-6	30 - 60
Part B - HARDENER 2,2'-Iminodiethylamine	111-40-0	10 - <30
Quartz (SiO ₂)	14808-60-7	10 - <30
Bisphenol A	80-05-7	<10

Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

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.

4 . First-aid measures

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. 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.

4 . First-aid measures

Ingestion

: Part A - RESIN

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Part B - HARDENER

Get medical attention immediately. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. 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.

Skin contact

: Part A - RESIN

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Part B - HARDENER

Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. 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.

Eye contact

: Part A - RESIN

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.

Part B - HARDENER

Get medical attention immediately. 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.

4 . First-aid measures

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.
Advice to doctor	: Part A - RESIN	No specific treatment. 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.

5 . Fire-fighting measures

Extinguishing media

Suitable	: Part A - RESIN	Use an extinguishing agent suitable for the surrounding fire.
	Part B - HARDENER	Use an extinguishing agent suitable for the surrounding fire.
Not suitable	: Part A - RESIN	None known.
	Part B - HARDENER	None known.
Special exposure hazards	: 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. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
	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.
	Part A - RESIN	In a fire or if heated, a pressure increase will occur and the container may burst.
	Part B - HARDENER	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition 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
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.	
Hazchem code	: 2Z	

6 . Accidental release measures

Personal precautions	: Part A - RESIN	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
	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 (see Section 8).
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.
	Part B - HARDENER	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).
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.

7 . Handling and storage

Handling	: Part A - RESIN	Put on appropriate personal protective equipment (see Section 8). 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. 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. Refer to special instructions/safety data sheet. 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

7 . Handling and storage

equipment (see Section 8). 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. 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. 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.

Storage

: Part A - RESIN

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 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.

8 . Exposure controls/personal protection

Occupational exposure limits

Ingredient name	Exposure limits
Part B - HARDENER 2,2'-Iminodiethylamine Quartz (SiO ₂) Bisphenol A	Safe Work Australia (Australia, 8/2005). Absorbed through skin. TWA: 4.2 mg/m ³ 8 hour(s). TWA: 1 ppm 8 hour(s). Safe Work Australia (Australia, 8/2005). TWA: 0.1 mg/m ³ 8 hour(s). TRGS900 AGW (Germany, 8/2010). TWA: 5 mg/m ³ 8 hour(s). Form: inhalable fraction PEAK: 5 mg/m ³ 15 minute(s). Form: inhalable fraction

No additional exposure standard allocated for other ingredients/components covered by the MSDS other than those listed in the table above.

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

8 . Exposure controls/personal protection

Exposure controls

- Engineering measures** : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- 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.
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Hands** : 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.
- Respiratory** : 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.
- Skin** : 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.
- 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.

9 . Physical and chemical properties

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.
Boiling point	: Part A - RESIN Part B - HARDENER	>150°C (>302°F) 207°C (404.6°F)
Melting point	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Vapour pressure	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Relative density	: Part A - RESIN Part B - HARDENER	1.57 1.65
Flash point	: Part A - RESIN Part B - HARDENER	Open cup: >93°C (>199.4°F) Open cup: >101.6°C (>214.9°F)
Flammable limits	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Vapour density	: Part A - RESIN Part B - HARDENER	Not available. Not available.
pH	: Part A - RESIN Part B - HARDENER	Not available. >7
Viscosity	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Auto-ignition temperature	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Evaporation rate	: Part A - RESIN Part B - HARDENER	Not available. Not available.

9 . Physical and chemical properties

Solubility	: Part A - RESIN	Very slightly soluble in the following materials: acetone.
	Part B - HARDENER	Insoluble in the following materials: cold water and hot water. Partially soluble in the following materials: cold water and hot water.

10 . Stability and reactivity

Chemical stability	: Part A - RESIN Part B - HARDENER	The product is stable. The product is stable.
Possibility of hazardous reactions	: Part A - RESIN Part B - HARDENER	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Part A - RESIN Part B - HARDENER	No specific data. No specific data.
Materials to avoid	: Part A - RESIN Part B - HARDENER	No specific data. No specific data.
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.

11 . Toxicological information

Potential acute health effects

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. May cause burns to mouth, throat and stomach.
Skin contact	: Part A - RESIN	Irritating to skin. May cause sensitisation by skin contact.
	Part B - HARDENER	Corrosive to the skin. Causes burns. May cause sensitisation by skin contact.
Eye contact	: Part A - RESIN	Irritating to eyes.
	Part B - HARDENER	Corrosive to eyes. Causes burns.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
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	-

Conclusion/Summary : Not available.

Potential chronic health effects

Chronic toxicity

Conclusion/Summary : Not available.

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	-

11 . Toxicological information

Part B - HARDENER 2,2'-Iminodiethylamine Bisphenol A	Skin - Severe irritant	Rabbit	-	microliters 24 hours 2 milligrams	-
	Skin - Moderate irritant	Rabbit	-	500 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 250 Micrograms	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	250 milligrams	-

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Product name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
Part B - HARDENER Quartz (SiO ₂) Bisphenol A	Carc. Cat. 1; R49 -	- -	- -	- Repr. Cat. 3; R62

Chronic effects	: 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.
Carcinogenicity	: Part A - RESIN Part B - HARDENER	No known significant effects or critical hazards. May cause cancer by inhalation. 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. May impair fertility, based on animal data.

Over-exposure signs/symptoms

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

11 . Toxicological information

Skin	: 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
Eyes	: Part A - RESIN	Adverse symptoms may include the following: irritation watering redness
	Part B - HARDENER	Adverse symptoms may include the following: pain watering redness
Other adverse symptoms	: Part A - RESIN Part B - HARDENER	Not available. Not available.
Target organs	: Part A - RESIN Part B - HARDENER	Not available. Contains material which may cause damage to the following organs: kidneys, lungs, liver, gastrointestinal tract, upper respiratory tract, skin, eye, lens or cornea, testes.

12 . Ecological information

Ecotoxicity : This material is toxic to aquatic life with long lasting effects.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
Part B - HARDENER 2,2'-Iminodiethylamine	Acute EC50 345600 ug/L Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
Bisphenol A	Acute LC50 53500 ug/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
	Acute EC50 1000 ug/L Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 7.75 mg/L Fresh water	Daphnia - Daphnia magna - Neonate - <24 hours	48 hours
	Acute LC50 1.34 mg/L Marine water	Crustaceans - Americamysis bahia - Larvae - 24 hours	48 hours
	Acute LC50 4600 ug/L Fresh water Chronic NOEC 0.8 mg/L Fresh water	Fish - Pimephales promelas Daphnia - Daphnia magna - Neonate - <24 hours	96 hours 21 days
Chronic NOEC 0.2 to 20 ppb Fresh water	Fish - Xiphophorus helleri - Juvenile (Fledgling, Hatchling, Weanling) - 30 days	60 days	

Other ecological information

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

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability

12 . Ecological information

Part B - HARDENER 2,2'-Iminodiethylamine Bisphenol A	Marine water 2 to 4 days -	- -	- Readily
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Bioaccumulative potential







Product/ingredient name	LogP _{ow}	BCF	Potential
Part B - HARDENER 2,2'-Iminodiethylamine Bisphenol A	-1.3 3.32	- -	low high

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

13 . Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14 . Transport information

Regulation	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADG	UN3316	CHEMICAL KIT	9	II	 	Hazchem code Z2
IMDG	UN3316	CHEMICAL KIT. Marine pollutant (Reaction product: Bisphenol-A-(Epichlorhydrin); epoxy resin, Bisphenol A)	9	II	 	Emergency schedules (EmS) F-A, _S-P_
IATA	UN3316	Chemical kit	9	II	 	Passenger and Cargo Aircraft Quantity limitation: 10 kg Packaging instructions: 960 Cargo Aircraft Only Quantity limitation: 10 kg Packaging instructions: 960 Limited Quantities - Passenger Aircraft Quantity limitation: 1 kg Packaging instructions: Y960

PG* : Packing group

15 . Regulatory information

[Standard for the Uniform Scheduling of Drugs and Poisons](#)

Not regulated.

[Control of Scheduled Carcinogenic Substances](#)

Ingredient name	Schedule
No listed substance	

[Australia inventory \(AICS\)](#) : All components are listed or exempted.

16 . Other information

[Date of issue](#) : 07/09/2011

[Date of previous issue](#) : 04/08/2011.

Indicates information that has changed from previously issued version.

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