



SAFETY DATA SHEET

Page 1 of 3

Glenair 779-001 Hardener

Revision 4
Revision date 12-May-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Glenair 779-001 Hardener
Company ResinTech Limited
Horcott, Fairford,
Gloucestershire GL7 4BX
info@resintech.co.uk
Telephone +44 (0)1285 712755
Fax +44 (0)1285 712999
Emergency telephone number +44 (0)1285 712755

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Toluene	0.1-0.5%	108-88-3	203-625-9	F; R11 Repr Cat 3; R63 Xn; R48/20-65 Xi; R38 R67
Kaolin (Kaolin, respirable dust)	40-60%	1332-58-7	310-194-1	
Fatty acids C18-unsaturated	40-60%	68911-25-1		Xi; R38-41-43
3,3'-Oxybis (ethyleneoxy) bis (propylamine)	5-10%	4246-51-9	224-207-2	C; R34 R52/53

3. HAZARDS IDENTIFICATION

Main hazards Irritating to skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.

4. FIRST AID MEASURES

Skin contact Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

Ingestion Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

5. FIRE FIGHTING MEASURES

Extinguishing media Carbon oxides.

Fire hazards Burning produces irritating, toxic and obnoxious fumes.

Protective equipment Wear suitable respiratory equipment when necessary.

Glenair 779-001 Hardener

Revision 4
Revision date 12-May-2009

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Toluene	WEL 8-hr limit ppm: 50 WEL 15 min limit ppm: 100	WEL 8-hr limit mg/m3: 191 WEL 15 min limit mg/m3: 384
Kaolin (Kaolin, respirable dust)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 2 WEL 15 min limit mg/m3: -

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Suitable respiratory equipment.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Grey.
Odour	Characteristic.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
------------------	---------------------------------

11. TOXICOLOGICAL INFORMATION

Acute toxicity	May cause sensitisation by skin contact.
-----------------------	--

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
----------------------------	---

14. TRANSPORT INFORMATION

Further information	The product is not classified as dangerous for carriage.
----------------------------	--

Glenair 779-001 Hardener

Revision 4
Revision date 12-May-2009

15. REGULATORY INFORMATION

Labelling	The product is classified in accordance with 67/548/EEC.
Symbols	Xi - Irritant 
Risk phrases	R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact.
Safety phrases	S24 - Avoid contact with skin. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39 - Wear suitable gloves and eye/face protection.

16. OTHER INFORMATION

Text of risk phrases in Section 2	R11 - Highly flammable. R34 - Causes burns. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R63 - Possible risk of harm to the unborn child. R65 - Harmful: may cause lung damage if swallowed. R67 - Vapours may cause drowsiness and dizziness.
Further information	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.



SAFETY DATA SHEET

Page 1 of 3

Glenair 779-001 Resin

Revision 4
Revision date 12-May-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name Glenair 779-001 Resin
Company ResinTech Limited
Horcott, Fairford,
Gloucestershire GL7 4BX
info@resintech.co.uk
Telephone +44 (0)1285 712755
Fax +44 (0)1285 712999
Emergency telephone number +44 (0)1285 712755

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
Bisphenol A-(epichlorhydrin) (reaction product)	60-80%	25068-38-6	500-033-5	Xi; R36/37/38 R43 N; R51/53
Kaolin (Kaolin, respirable dust)	20-40%	1332-58-7	310-194-1	
Carbon Black (Carbon black)	0.5-1%	1333-86-4	215-609-9	

3. HAZARDS IDENTIFICATION

Main hazards Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Skin contact Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

Eye contact Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

Inhalation Irritating to respiratory system. Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.

Ingestion Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

5. FIRE FIGHTING MEASURES

Extinguishing media Carbon oxides.

Fire hazards Burning produces irritating, toxic and obnoxious fumes.

Protective equipment Wear suitable respiratory equipment when necessary.

Glenair 779-001 Resin

Revision 4
Revision date 12-May-2009

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
Environmental precautions	Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Kaolin (Kaolin, respirable dust)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 2 WEL 15 min limit mg/m3: -
Carbon Black (Carbon black)	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 3.5 WEL 15 min limit mg/m3: 7

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear: Suitable respiratory equipment.
Hand protection	Chemical resistant gloves (PVC)
Eye protection	Approved safety goggles.
Protective equipment	Wear chemical protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Liquid.
Colour	Black.
Odour	Characteristic.
Boiling point	150°C
Flash point	150°C
Relative density	1.35
Water solubility	insoluble in water.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
------------------	---------------------------------

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
--------------------	---

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in compliance with all local and national regulations.
----------------------------	---

Glenair 779-001 Resin

Revision 4
Revision date 12-May-2009

14. TRANSPORT INFORMATION**ADR/RID**

UN 3082
Class 9
Packing group III
Hazard ID 90
Proper Shipping Name ENVIRONMENTALLY
HAZARDOUS SUBSTANCE,
LIQUID, N.O.S., (bisphenol A).

IMDG

UN 3082
Class 9
Packing group III
Marine pollutant .
EmS Code F-A S-F

IATA

UN 3082
Class 9
Packing group III
Subsidiary risk -
Maximum quantity 450 L
Packing Instruction 914
(Cargo)
Packing Instruction 914
(Passenger)
Maximum quantity 450 L

15. REGULATORY INFORMATION

Labelling The product is classified in accordance with 67/548/EEC.

Symbols Xi - Irritant; N - Dangerous for the environment



Risk phrases 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.

Safety phrases S24 - Avoid contact with skin.
S29 - Do not empty into drains.
S37 - Wear suitable gloves.

16. OTHER INFORMATION

Text of risk phrases in Section 2 R36/37/38 - Irritating to eyes, respiratory system 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.

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.