

SAFETY DATA SHEET

Page 1 of 3

RT156 Resin

Revision 3
Revision date 12-May-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name RT156 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)	80-90%	25068-38-6	500-033-5	Xi; R36/37/38 R43 N; R51/53
Cyclohexanedimethanol, 1,4-diglycidyl ether	1-10%	14228-73-0		Xn; R68 Xi; R36/38-43 R52/53
Epoxy resin Bisphenol F	1-10%	28064-14-4	500-033-5	Xi; R36/38-43 N; R51/53

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. Possible risk of irreversible effects.

4. FIRST AID MEASURES

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

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

Ingestion Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE FIGHTING MEASURES

Extinguishing media Use as appropriate: carbon dioxide (CO₂), dry chemical, foam.

Fire hazards Burning produces irritating, toxic and obnoxious fumes.

Protective equipment Self-contained breathing apparatus. Wear protective clothing.

RT156 Resin

Revision 3
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. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Wear protective clothing.
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	Colourless.
Odour	Characteristic.

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.
----------------------------	---

RT156 Resin

Revision 3
Revision date 12-May-2009

14. TRANSPORT INFORMATION

ADR/RID

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

IMDG

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

IATA

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

15. REGULATORY INFORMATION

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

Symbols Xn - Harmful; 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.
R68 - Possible risk of irreversible effects.

Safety phrases
S24 - Avoid contact with skin.
S29 - Do not empty into drains.
S36/37 - Wear suitable protective clothing and gloves.

16. OTHER INFORMATION

Text of risk phrases in Section 2
R36/37/38 - Irritating to eyes, respiratory system and skin.
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.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R68 - Possible risk of irreversible effects.

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 4

RT156 Hardener

Revision 3
Revision date 12-May-2009

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name RT156 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
2,4,6-Tris(dimethylaminomethyl)phenol	20-30%	90-72-2	202-013-9	Xn; R22 Xi; R36/38
1,3-bis(Aminomethyl) benzene	70-80%	1477-55-0	216-032-5	T; R23 C; R34 Xn; R21/22 Xi; R43 R52/53

3. HAZARDS IDENTIFICATION

Main hazards Harmful in contact with skin and if swallowed. Toxic by inhalation. Causes burns. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

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

Eye contact Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.

Inhalation Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.

Ingestion Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE FIGHTING MEASURES

Extinguishing media Alcohol resistant foam. Carbon oxides.

Fire hazards Corrosive. Burning produces irritating, toxic and obnoxious fumes.

Protective equipment Self-contained breathing apparatus. Wear protective clothing.

Print date 1-Jul-2009

RT156 Hardener

Revision 3
Revision date 12-May-2009

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation of the working area. Evacuate personnel to a safe 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. 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.
Storage	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures	Ensure adequate ventilation of the working area.
Respiratory protection	Self-contained breathing apparatus must be used in handling.
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	Yellow.
Odour	Characteristic.

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Corrosivity	Causes burns.
--------------------	---------------

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

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

RT156 HardenerRevision 3
Revision date 12-May-2009**14. TRANSPORT INFORMATION****ADR/RID**

UN 2735	Packing group III
Class 8	Hazard ID 80
Proper Shipping Name AMINES, LIQUID, CORROSIVE N.O.S. (1,3-bis(Aminomethyl) benzene).	

IMDG

UN 2735	Packing group III
Class 8	Marine pollutant NO
EmS Code F-A S-B	

IATA

UN 2735	Packing group III
Class 8	Subsidiary risk -
Packing Instruction 820 (Cargo)	Maximum quantity 60 L
Packing Instruction 818 (Passenger)	Maximum quantity 5 L

15. REGULATORY INFORMATION

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

Symbols T - Toxic



Risk phrases

- R21/22 - Harmful in contact with skin and if swallowed.
- R23 - Toxic by inhalation.
- R34 - Causes burns.
- R43 - May cause sensitisation by skin contact.
- R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

- S24 - Avoid contact with skin.
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S28 - After contact with skin, wash immediately with plenty of [].
- 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).
- S63 - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

RT156 Hardener

Revision 3
Revision date 12-May-2009

16. OTHER INFORMATION

Text of risk phrases in Section 2

R21/22 - Harmful in contact with skin and if swallowed.

R22 - Harmful if swallowed.

R23 - Toxic by inhalation.

R34 - Causes burns.

R36/38 - Irritating to eyes and skin.

R43 - May cause sensitisation by skin contact.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.