

## SAFETY DATA SHEET

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### RT153FC Resin

Revision 2  
Revision date 12-May-2009

#### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**Product name** RT153FC 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
1,3-bis(2,3-Epoxypropoxy)butane	20-30%	2425-79-8	219-371-7	Xn; R20/21 Xi; R36/38 R43
Bisphenol A-(epichlorhydrin) (reaction product)	60-70%	25068-38-6	500-033-5	Xi; R36/37/38 R43 N; R51/53

#### 3. HAZARDS IDENTIFICATION

**Main hazards** Harmful by inhalation and in contact with skin. 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** 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.

**Inhalation** Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.

**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 (CO<sub>2</sub>), dry chemical, foam.

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

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

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## 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures</b>	Ensure adequate ventilation of the working area.
<b>Respiratory protection</b>	Self-contained breathing apparatus. Wear protective clothing.
<b>Hand protection</b>	Chemical resistant gloves (PVC)
<b>Eye protection</b>	Approved safety goggles.
<b>Protective equipment</b>	Wear chemical protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Description</b>	Liquid.
<b>Colour</b>	Off white.
<b>Odour</b>	Characteristic.

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
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## 11. TOXICOLOGICAL INFORMATION

## 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

<b>General information</b>	Dispose of in compliance with all local and national regulations.
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## 14. TRANSPORT INFORMATION

## ADR/RID

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

## IMDG

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

## IATA

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

- R20/21 - Harmful by inhalation and in contact with 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.

**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**

- R20/21 - Harmful by inhalation and in contact with skin.
- 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.

**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.



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### RT153FC Hardener

Revision 2  
Revision date 12-May-2009

#### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

**Product name** RT153FC Hardener  
**Company** ResinTech Limited  
Horcott, Fairford,  
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info@resintech.co.uk  
**Telephone** +44 (0)1285 712755  
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**Emergency telephone number** +44 (0)1285 712755

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

##### Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
3,6-Diazaoctanethylenediamin	1-10%	112-24-3	203-950-6	Xn; R21 C; R34 R43 R52/53
Polyaminoamide adduct	50-60%			Xi; R41
Imidazole	30-40%	288-32-4	206-019-2	C; R34 Xn; R22

#### 3. HAZARDS IDENTIFICATION

**Main hazards** Harmful if swallowed. Causes burns. May cause sensitisation by skin contact.

#### 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. If swallowed, seek medical advice immediately and show this container or label.

#### 5. FIRE FIGHTING MEASURES

**Extinguishing media** Use as appropriate: carbon dioxide (CO<sub>2</sub>), dry chemical, foam.  
**Fire hazards** Corrosive. Burning produces irritating, toxic and obnoxious fumes.  
**Protective equipment** Wear suitable respiratory equipment when necessary.

#### 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.

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# RT153FC Hardener

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## 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** Wear: Self-contained breathing apparatus.  
**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** Amber.  
**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.

## 14. TRANSPORT INFORMATION

### ADR/RID

UN 1760	<b>Packing group III</b>
<b>Class 8</b>	<b>Hazard ID 80</b>
<b>Proper Shipping Name</b> CORROSIVE LIQUID, N.O.S, (imidazole).	

### IMDG

UN 1760	<b>Packing group III</b>
<b>Class 8</b>	<b>Marine pollutant NO</b>
<b>EmS Code</b> F-A S-B	


### IATA

UN 1760	<b>Packing group III</b>
<b>Class 8</b>	<b>Subsidiary risk -</b>
<b>Packing Instruction</b> 820 (Cargo)	<b>Maximum quantity</b> 60 L
<b>Packing Instruction</b> 818 (Passenger)	<b>Maximum quantity</b> 5 L

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## 15. REGULATORY INFORMATION

<b>Labelling</b>	The product is classified in accordance with 67/548/EEC.
<b>Symbols</b>	C - Corrosive 
<b>Risk phrases</b>	R22 - Harmful if swallowed. R34 - Causes burns. R43 - May cause sensitisation by skin contact.
<b>Safety phrases</b>	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).

## 16. OTHER INFORMATION

<b>Text of risk phrases in Section 2</b>	R21 - Harmful in contact with skin. R22 - Harmful if swallowed. R34 - Causes burns. R41 - Risk of serious damage to eyes. R43 - May cause sensitisation by skin contact. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Further information</b>	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.