

## SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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### RT156BE Hardener

Revision 5

Revision date 2015-05-20

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

##### 1.1. Product identifier

Product name RT156BE Hardener

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

Company ResinTech Limited  
Address Horcott, Fairford,  
Gloucestershire GL7 4BX  
Web www.resintech.co.uk  
Telephone +44 (0)1285 712755  
Fax +44 (0)1285 712999  
Email info@resintech.co.uk

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC  
T; R23 C; R34 Xn; R21/22 Xi; R43 R52/53  
Symbols: T: Toxic.

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.

2.1.2. Classification - EC 1272/2008  
Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 4: H332; Aquatic Chronic 3: H412;

##### 2.2. Label elements

###### Hazard pictograms



###### Signal Word

Danger

###### Hazard Statement

Acute Tox. 4: H302 - Harmful if swallowed.  
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
Skin Sens. 1: H317 - May cause an allergic skin reaction.  
Acute Tox. 4: H332 - Harmful if inhaled.  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

###### Precautionary Statement: Prevention

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

###### Precautionary Statement: Response

P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.  
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302+P352 - IF ON SKIN: Wash with plenty of water/ .

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## 2.2. Label elements

Precautionary Statement: Storage Precautionary Statement: Disposal	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ . P321 - Specific treatment (see on this label). P330 - Rinse mouth. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.
	P405 - Store locked up.
	P501 - Dispose of contents/container to

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
2,4,6-Tris(dimethylaminomethyl)phe nol	603-069-00-0	90-72-2	202-013-9		20 - 40%	Xn; R22 Xi; R36/38	
1,3-bis(Aminomethyl) benzene		1477-55-0	216-032-5		60 - 80%	T; R23 C; R34 Xn; R21/22 Xi; R43 R52/53	
Bis[(dimethylamino)methyl]phenol		71074-89-0	275-162-0		5 - 10%	C; R34	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
2,4,6-Tris(dimethylaminomethyl)phe nol	603-069-00-0	90-72-2	202-013-9		20 - 40%	Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;	
1,3-bis(Aminomethyl) benzene		1477-55-0	216-032-5		60 - 80%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Acute Tox. 4: H332; Aquatic Chronic 3: H412;	
Bis[(dimethylamino)methyl]phenol		71074-89-0	275-162-0		5 - 10%	Skin Corr. 1B: H314;	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention.
Eye contact	Causes burns. Causes severe inflammation and may damage the cornea. Seek medical attention.
Skin contact	Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
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.

## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

	Alcohol resistant foam. Carbon oxides.
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## 5.2. Special hazards arising from the substance or mixture

	Corrosive. Burning produces irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment.
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**6.2. Environmental precautions**

	Do not allow product to enter drains. Prevent further spillage if safe.
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**6.3. Methods and material for containment and cleaning up**

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.
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**7.2. Conditions for safe storage, including any incompatibilities**

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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**SECTION 8: Exposure controls/personal protection****8.2. Exposure controls****8.2.1. Appropriate engineering controls**

	Ensure adequate ventilation of the working area.
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**8.2.2. Individual protection measures**

	Wear chemical protective clothing.
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**Eye / face protection**

	Approved safety goggles.
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**Skin protection - Handprotection**

	Chemical resistant gloves (PVC).
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**Respiratory protection**

	In case of insufficient ventilation, wear suitable respiratory equipment.
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**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	Yellow
<b>Odour</b>	Characteristic

**SECTION 10: Stability and reactivity****10.2. Chemical stability**

	Stable under normal conditions.
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**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Skin corrosion/irritation**

	Causes burns.
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**SECTION 12: Ecological information****SECTION 13: Disposal considerations****General information**

	Dispose of in compliance with all local and national regulations.
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**SECTION 14: Transport information****Hazard pictograms**

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## Hazard pictograms



## 14.1. UN number

UN2735

## 14.2. UN proper shipping name

AMINES, LIQUID, CORROSIVE N.O.S. (1,3-bis(Aminomethyl) benzene)

## 14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

## 14.4. Packing group

Packing group	III
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## 14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

## ADR/RID

Hazard ID	80
Tunnel Category	(E)

## IMDG

EmS Code	F-A S-B
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## IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

## SECTION 15: Regulatory information

## SECTION 16: Other information

## Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>2 - 2.1.2. Classification - EC 1272/2008.</li> <li>2 - Hazard pictograms.</li> <li>2 - Signal Word.</li> <li>2 - Precautionary Statement: Prevention.</li> <li>2 - Precautionary Statement: Response.</li> <li>2 - Precautionary Statement: Storage.</li> <li>2 - Precautionary Statement: Disposal.</li> <li>8 - Respiratory protection.</li> <li>12 - 12.1. Toxicity.</li> </ul>
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## Other information

## Text of risk phrases in Section 3

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.

## Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.  
 Skin Irrit. 2: H315 - Causes skin irritation.  
 Eye Irrit. 2: H319 - Causes serious eye irritation.  
 Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled  
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.  
 Skin Sens. 1: H317 - May cause an allergic skin reaction.  
 Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting 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.