

SAFETY DATA SHEET

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Product Name: RT153F PART B (CURING AGENT)

UFI: No information available

Product Part Number: RT153F PART B (CURING AGENT)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Curing agent

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Resintech Ltd

Address of Supplier: Unit 1-2 Horcott Industrial Estate
Fairford
Gloucestershire
GL7 4BX
UK

Telephone: +44 (0)1285 712755

Responsible Person: Alex Paton

Email: Info@resintech.co.uk

1.4 Emergency telephone number

Emergency Telephone: +44 (0)1285712755 (Monday-Friday 8am-4.30pm)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

CLP: Acute Tox. 4, Skin Corr. 1C, Repr. Cat. 1B

2.2 Label elements

Signal Word: Danger

Contains: Imidazole.

Hazard statements

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H360D - May damage the unborn child.

Precautionary statements

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

RT153F PART B (CURING AGENT)

SECTION 2: Hazards identification (....)

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

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.

P308+P313 - IF exposed or concerned: Get medical advice/attention.

Supplemental Hazard information (EU)

EUH210 - Safety data sheet available on request.

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Substance not identified as having endocrine disrupting properties

SECTION 3: Composition/information on ingredients

3.2 Mixtures

	CAS Number	EC Number	REACH Registration Number	Categories	H Statements	Concentration
ACN Adduct (TETA) reaction product of Acrylonitrile CAS: 107-13-1 and Triethylenetetramine CAS: 112-24-3	Not applicable	Not applicable	Not applicable	Skin Corr. 1C	H314	70 - 99%
Imidazole	288-32-4	206-019-2	01-2119485825- 24-0000	Acute Tox. 4 Skin Corr. 1C Eye Dam. 1 Repr. Cat. 1B	H302 H314 H318 H360D	30 - 50%

SECTION 4: First aid measures

4.1 General

- P281 - Use personal protective equipment as required.
- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
- P363 - Wash contaminated clothing before reuse.

Contact with eyes

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes

P308+P313 - IF exposed or concerned: Get medical advice/attention.

Contact with skin

After contact with skin, wash immediately with plenty of soap and water

Remove contaminated clothing

P308+P313 - IF exposed or concerned: Get medical advice/attention.

Ingestion

Give 200-300mls (half pint) water to drink

P330 - Rinse mouth.

P314 - Get medical advice/attention if you feel unwell.

Do not induce vomiting

RT153F PART B (CURING AGENT)

SECTION 4: First aid measures (....)

Inhalation

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- H318 - Causes serious eye damage.
- In cases of severe exposure, allergic reaction in susceptible people may develop
- H373 - May cause damage to the skin through repeated or prolonged exposure

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
 - P310 - Immediately call a POISON CENTER or doctor/physician.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture

- Decomposition products may include toxic and irritant fumes
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Nitrogen and carbon oxides may be formed

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
 - Prevent run off water from entering drains if possible
 - Wear Positive-Pressure Breathing Apparatus
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Wash thoroughly after dealing with spillage
- Avoid contact with skin and eyes

6.2 Environmental precautions

- P273 - Avoid release to the environment.
- Absorb spillage in suitable inert material
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- immiscible with water

6.3 Methods and material for containment and cleaning up

- Wear protective clothing as per section 8
- Absorb spillage in suitable inert material
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Wash thoroughly after dealing with spillage

6.4 Reference to other sections

- Wear protective clothing as per section 8
 - See Section 11 - Toxicological Information
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- P273 - Avoid release to the environment.
 - Wear protective clothing as per section 8
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RT153F PART B (CURING AGENT)

SECTION 7: Handling and storage (....)

- P362+P364 - Take off contaminated clothing and wash it before reuse.
- In cases of severe exposure, allergic reaction in susceptible people may develop
- P270 - Do not eat, drink or smoke when using this product.
- After contact with skin, wash immediately with plenty of soap and water
- P264 - Wash hands and working surfaces thoroughly after handling.
- Use good personal hygiene practices
- P202 - Do not handle until all safety precautions have been read and understood.
- P363 - Wash contaminated clothing before reuse.
- P501 - Dispose of contents/container to an authorised waste collection point

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed, in a cool, well ventilated place
- P235+P410 - Keep cool. Protect from sunlight.
- Keep away from food, drink and animal feedingstuffs
- Product may crystallise or separate if exposed to cold temperatures for extended periods of time. If this occurs, the product should be warmed to 38-60°C for one hour. If the product is in a bulk form stir until clear.
- P405 - Store locked up.

7.3 Specific end use(s)

- See Section 1.2
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Imidazole

DNEL (Industry; inhalational, long term systemic effects): 10.6 mg/m³

DNEL (Industry; dermal, long term systemic effects): 1.5 mg/kg bw/day

8.2 Exposure controls



- This Safety Data Sheet does not constitute a workplace risk assessment
 - P285 - In case of inadequate ventilation wear respiratory protection.
 - Eyewash bottles should be available
 - Wear suitable protective clothing, eye/face protection and gloves
 - Check with personal protection equipment manufacturer
 - Use good personal hygiene practices
 - P270 - Do not eat, drink or smoke when using this product.
 - P363 - Wash contaminated clothing before reuse.
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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Straw
Odour:	Amine odour, Ammonia odour, Pungent odour
Boiling Point/Range:	>150°C
Flammability:	Flash point: >100 °C (CC)
pH:	Not available
Solubility in water:	Insoluble in water

RT153F PART B (CURING AGENT)

SECTION 9: Physical and chemical properties (....)

Density: Density (water=1): ≥ 1.05

9.2 Other information

- No information available
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SECTION 10: Stability and reactivity

10.1 Reactivity

- Reference to other sections

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- No hazard expected under normal conditions of use
- P410 - Protect from sunlight.

10.5 Incompatible materials

- Strong oxidising agent
- Strong acids

10.6 Hazardous decomposition products

- No hazardous decomposition products known
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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Estimated LD₅₀ (oral) (ATE) : 1666.667 mg/kg

Estimated LD₅₀ (dermal) (ATE) : >4000 mg/kg

Estimated LD₅₀ (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

Imidazole

LD₅₀ (oral, rat): 970 mg/kg

ACN Adduct (TETA) reaction product of Acrylonitrile CAS:107-13-1 and Triethylenetetramine CAS:112-24-3

Estimated LD₅₀ (dermal) (ATE) : >1,000 mg/kg

Estimated LD₅₀ (oral) (ATE) : >1,000 mg/kg

Skin corrosion/irritation

Can cause damage to the skin

Serious eye damage/irritation

Can cause damage to the eyes

Respiratory or skin sensitisation

Based on the available data, the classification criteria are not met

Germ cell mutagenicity

Based on the available data, the classification criteria are not met

SECTION 11: Toxicological information (....)

Carcinogenicity

Based on the available data, the classification criteria are not met

Reproductive toxicity

May cause harm to the unborn child

STOT (specific target organ toxicity) - single exposure

Based on the available data, the classification criteria are not met

STOT (specific target organ toxicity) - repeated exposure

Based on the available data, the classification criteria are not met

Aspiration hazard

Based on the available data, the classification criteria are not met

11.2 Information on other hazards

- No information available
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SECTION 12: Ecological information

12.1 Toxicity

ACN Adduct (TETA) reaction product of Acrylonitrile CAS:107-13-1 and Triethylenetetramine CAS:112-24-3

LC₅₀ (fish): >100 mg/l (96 hr)

Imidazole

IC₅₀ (algae): 63.7 mg/l (72 hr)

EC₅₀ (Daphnia magna): 341.5 mg/l (48 hr)

LC₅₀ (fish): 283.6 mg/l (96 hr)

PNEC (Fresh water): 0.13 mg/l

PNEC (intermittent): 1.3 mg/l

PNEC (Marine water): 0.013 mg/l

PNEC (STP): 10 mg/l

PNEC (Sediment; fresh water): 0.336 mg/kg

PNEC (Sediment; marine water): 0.0336 mg/kg

12.2 Persistence and degradability

- Biodegradable

12.3 Bioaccumulative potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- Substance not identified as having endocrine disrupting properties

12.7 Other adverse effects

- No information available

RT153F PART B (CURING AGENT)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
 - Wear protective clothing as per section 8
 - P501 - Dispose of contents/container to an authorised waste collection point
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SECTION 14: Transport information



14.1 UN number or ID number

UN No.: 1760

14.2 UN proper shipping name

Proper Shipping Name: CORROSIVE LIQUID, N.O.S. (Imidazole mixture)

14.3 Transport hazard class(es)

Hazard Class: 8

14.4 Packing group

Packing Group: III

14.5 Environmental hazards

- Presents no hazard to the environment

14.6 Special precautions for user

IMDG EmS: F-A, S-B

Tunnel Code: (E)

Emergency Action Code: 2X

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet is provided in compliance with the Health and Safety at Work Act
- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

15.2 Chemical safety assessment

- This product is either exempt from REACH or does not meet the minimum volume threshold for a chemical safety assessment (CSA)
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. H360D: May damage the unborn child.

This information relates only to the material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own use.

SECTION 16: Other information (....)

Sections updated: 3.2