

## Resideck Crackseal Thixo - Curing Agent

Revision 1  
Revision date 2019-10-21

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

#### 1.1. Product identifier

**Product name** Resideck Crackseal Thixo - Curing Agent

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

**Product Use** [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites;

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

<b>Company</b>	Maker Coating Systems
<b>Address</b>	Unit 5 Oak Business Units Thorverton Road Matford Business Park Exeter EX2 8FS
<b>Web</b>	www.makercoating.com
<b>Telephone</b>	01392 82260
<b>Email</b>	sales@makercoating.com

#### 1.4. Emergency telephone number

**Emergency telephone number** 01392 822600  
Mon - Fri 8am - 5pm / Fri 8am - 3pm

### SECTION 2: Hazards identification

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

**2.1.2. Classification - EC 1272/2008** Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; 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.  
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

##### Precautionary Statement: Prevention

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash thoroughly after handling.

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## 2.2. Label elements

<b>Precautionary Statement: Response</b>	P270 - Do not eat, drink or smoke when using this product. 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.
	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/ . 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
<b>Precautionary Statement: Storage</b>	
<b>Precautionary Statement: Disposal</b>	

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
trimethylhexamethylenediamine		25620-58-0	247-134-8	01-2119560598-25	80 - 90%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Skin Sens. 1: H317; Aquatic Chronic 3: H412;
p-Toluenesulphonic acid (containing a maximum of 5% H2SO4)	016-030-00-2	104-15-4	203-180-0	01-2119538811-39	1 - 10%	Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315;

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Drink 1 to 2 glasses of water.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
<b>Eye contact</b>	Risk of serious damage to eyes.
<b>Skin contact</b>	May cause irritation to skin.
<b>Ingestion</b>	Causes burns. Ingestion may cause nausea and vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Inhalation</b>	If you feel unwell, seek medical advice (show the label where possible).
<b>Eye contact</b>	Seek medical attention.
<b>Skin contact</b>	Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Seek medical attention.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam, Water. Do NOT use water jet.

### 5.2. Special hazards arising from the substance or mixture

Corrosive. Burning produces irritating, toxic and obnoxious fumes.

### 5.3. Advice for firefighters

Wear self contained breathing apparatus and protective clothing.

### Further information

Dispose of as special waste in compliance with official regulations.

## 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. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

### 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.

### 6.4. Reference to other sections

See section 8 for further information. See section 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in original container.

### 7.3. Specific end use(s)

See section 1.2 for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

This product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

### 8.2. Exposure controls



#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

#### 8.2.2. Individual protection measures

Wear suitable protective clothing.

#### Eye / face protection

Approved safety goggles.

#### Skin protection - Handprotection

Chemical resistant gloves. Butyl rubber gloves.

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## 8.2. Exposure controls

Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	Wear suitable respiratory equipment when necessary.
Occupational exposure controls	Keep away from food, drink and animal feedingstuffs.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Gel
Colour	Colourless
Odour	Characteristic
Odour threshold	No data available
pH	11.3
Melting point	No data available
Freezing Point	No data available
Initial boiling point	> 200 °C
Flash point	108 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	5 mPas (Cone & Plate)
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Miscible in water

### 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	0 %
Lead content	0 %
VOC (Volatile organic compounds)	0 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	Stable under normal conditions.
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### 10.2. Chemical stability

	Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

	Reacts with Acids, Alkalis, Oxidising Agents.
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### 10.4. Conditions to avoid

	Heat.
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### 10.5. Incompatible materials

	Strong oxidising agents.
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## 10.6. Hazardous decomposition products

No data is available on this product.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Skin corrosion/irritation	Causes burns.
Serious eye damage/irritation	Risk of serious damage to eyes.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ cell mutagenicity	No mutagenic effects reported.
Reproductive toxicity	No observed effect level. No teratogenic effects reported.

#### 11.1.4. Toxicological Information

trimethylhexamethylenediamine	Oral Rat LD50: 910mg/kg
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#### 11.1.13. Other information

Swallowing will lead to a strong caustic effect on mouth and throat and danger of perforation of esophagus and stomach.

## SECTION 12: Ecological information

### 12.1. Toxicity

trimethylhexamethylenediamine	Daphnia EC50/48h: 31.5 mg/l	Algae IC50/72h: 29.5000 mg/l
	Fish LC50/96h: 1000.0000 mg/l	

### 12.2. Persistence and degradability

No data is available on this product.

#### PBT

Not applicable.

### 12.3. Bioaccumulative potential

No data is available on this product.

#### Partition coefficient

Resideck Crackseal Thixo - Curing Agent No data available

### 12.4. Mobility in soil

Slightly miscible in water.

### 12.5. Results of PBT and vPvB assessment

No data is available on this product.

### 12.6. Other adverse effects

No data is available on this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

#### General information

08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS.

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## General information

08 02 wastes from MFSU of other coatings (including ceramic materials).  
08 02 99 wastes not otherwise specified.

## Disposal methods

The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Waste packaging should be recycled if possible. Incineration should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned. Empty containers or liners may still contain residue. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## Disposal of packaging

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Do NOT reuse empty containers.

## SECTION 14: Transport information

### Hazard pictograms



### 14.1. UN number

UN2327

### 14.2. UN proper shipping name

TRIMETHYLHEXAMETHYLENEDIAMINE (MIXTURE)

### 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	No
Marine pollutant	No

### 14.6. Special precautions for user

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of a spillage.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

For transport approval see regulatory information.

ADR/RID

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ADR/RID	
Hazard ID	80
Tunnel Category	(E)

IMDG	
EmS Code	F-A S-B

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

## SECTION 15: Regulatory information

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

	<p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
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## 15.2. Chemical safety assessment

	This product contains substances for which Chemical Safety Assessments are still required.
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## SECTION 16: Other information

## Other information

Revision	This document differs from the previous version in the following areas: 4 - Eye contact. 9 - 9.1. Information on basic physical and chemical properties (Appearance). 12 - 12.1. Toxicity. 14 - ADR/RID.
Text of Hazard Statements in Section 3	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. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.
Maximum content of VOC	0 g/l.

## 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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