

**PRODUCT NAME**

ALPHA 30 CURING AGENT – PART B

**S&F CODE**

260030A

**ISSUE DATE**

13/1/2020

**ISSUE NUMBER**

003

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

<b>Product Name</b>	Alpha 30 – Curing Agent
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**1.2. Relevant identified uses of the substance or mixture and uses advised against**

<b>Product Use</b>	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites;
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**1.3. Details of the supplier of the safety data sheet**

<b>Company Address</b>	Scott & Fyfe Ltd, Tayport Works, Links Road, Tayport, Fife, Scotland, DD6 9EE
<b>Web</b>	<a href="http://www.scott-fyfe.com">www.scott-fyfe.com</a>
<b>Telephone</b>	+44 (0) 1382 554 000
<b>Fax</b>	n/a
<b>Email</b>	<a href="mailto:info@scott-fyfe.com">info@scott-fyfe.com</a>
<b>Email Address of the competent person</b>	<a href="mailto:sales@scott-fyfe.com">sales@scott-fyfe.com</a>

**1.4. Emergency telephone number**


<b>Emergency telephone number</b>	+44 (0) 1382 554 000
<b>Opening hours</b>	08.30am – 5.00pm - Monday-Thursday 08.30am – 12pm - Friday

**SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

<p><b>2.1.1. Classification - 1999/45/EC</b></p> <p><b>Main hazards 2.1.2.</b></p> <p><b>Classification – EC 1272/2008</b></p>	<p>R53 Symbols:</p> <p>May cause long-term adverse effects in the aquatic environment.</p> <p>Acute Tox. 4: H302; Skin Corr. 1A: H314; Skin Sens. 1: H317; Acute Tox. 4: H332; STOT SE 3: H335; Aquatic Chronic 3: H412;;</p>
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## 2.2. Label elements

<p><b>Hazard pictograms</b></p>	
<p><b>Signal Word</b></p>	<p>Danger</p>
<p><b>Hazard Statement</b></p>	<p>Acute Tox. 4: H302 - Harmful if swallowed.          Skin Corr. 1A: 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.          STOT SE 3: H335 - May cause respiratory irritation.          Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects</p>
<p><b>Precautionary Statement: Prevention</b></p>	<p>P260 – Do not breathe dust/fume/gas/mist/vapours/spray.          P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.          P264 – Wash thoroughly after handling.          P270 – Do not drink, eat or smoke when using this product.          P271 – Use only outdoors or in well-ventilated area.          P272 – Contaminated work clothing should not be allowed out of the workplace.          P273 – Avoid to release to the environment.          P280 – Wear protective gloves/protective clothing/eye protection/face protection</p>
<p><b>Precautionary Statement: Response</b></p>	<p>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.</p>

<p><b>Precautionary Statement Storage</b></p>	<p>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>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.</p> <p>P310 - Immediately call a POISON CENTER/doctor.</p> <p>P312 - Call a POISON CENTER/doctor/ /if you feel unwell.</p> <p>P321 - Specific treatment (see on this label).</p> <p>P330 - Rinse mouth.</p> <p>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P363 - Wash contaminated clothing before reuse.</p>
	<p>P403+P233 - Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 - Store locked up.</p>
<p><b>Precautionary Statement: Disposal</b></p>	<p>P501 - Dispose of contents/container to</p>

### 2.3. Other hazards

<b>Other hazards</b>	No data is available on this product.
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## SECTION 3: Composition/information on ingredients

### 3.1. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number.	Conc. (%w/w)	Classification
trimethylhexamethylene diamine		2562 0-58-0	247-134- 8			R53

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			Acute Tox. 4; H302; Skin Corr. 1B; H314; Skin Sens. 1; H317; Aquatic Chronic 3;

						H412;
1,5-Pentanediamine, 2-methyl, reaction products with 2-ethyl-1,4-butanediamine and glycidyl tolyl ether	90480-76-5	291-813- 1	01-2120750371-62			Acute Tox. 3: H301; Acute Tox. 4: H312; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; Acute Tox. 4: H332; STOT SE 3: H335;
Polyoxypropylenediamine	9046-10-0	618-561- 0	01-2119557899-12			Skin Cor. 1C: H314; Eye Dam. 1: H318; Aquatic Chronic 3: H412;
1,3-Cyclohexanebis(methylamine)	2579-20-6	219-941- 5	01-2119543741-41			Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Cor. 1A: H314; Aquatic Chronic 3: H412;
Salicylic Acid	69-72-7	200-712- 3	01-2119486984-17			Acute Tox. 4: H302; Eye Dam. 1: H318;
2-Methyl-1,5-pentamethylenediamine	15520-10-2	239-556- 6	01-2119976310-41			Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Cor. 1A: H314; Eye Dam. 1: H318; Acute Tox. 4: H332; STOT SE 3: H335;

## 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
<b>Skin Contact</b>	Wash off immediately with plenty of soap and water. Remove contaminated clothing
<b>Ingestion</b>	Drink 1 to 2 glasses of water. DO NOT INDUCE VOMITING

### 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>	Harmful: possible risk of irreversible effects if swallowed. Causes burns.

#### 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.

### 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.
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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

	Wear self-contained breathing apparatus and protective clothing.
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#### Further information

	Dispose of as special waste in compliance with official regulations.
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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. Avoid contact with skin and eyes.
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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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### 6.4. Reference to other sections

	See section 8 for further information. See section 13 for further information.
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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. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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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. Store in original container.
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### 7.3. Specific end use(s)

	See section 1.2 for further information.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Exposure controls

	  
<b>8.2.1. Appropriate engineering controls</b>	Ensure adequate ventilation of the working area.
<b>8.2.2. Individual protection measures</b>	Wear protective clothing
<b>Eye / face protection</b>	Approved safety goggles.

<b>Skin protection - Handprotection</b>	Chemical resistant gloves. Butyl rubber gloves.
<b>Skin protection - Other</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	Wear suitable respiratory equipment when necessary.
<b>Occupational exposure controls</b>	Keep away from food, drink and animal feeding stuffs.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	No data available
<b>pH</b>	11.3
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	> 200 °C
<b>Flash point</b>	108 °C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper Explosive Limit</b>	No data available
<b>Lower Explosive Limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	1.13 (H <sub>2</sub> O = 1 @ 20 °C)
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	5 mPas (Cone & Plate)
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	Slightly soluble in water

### 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Gas group</b>	No data available
<b>Benzene Content</b>	0 %
<b>Lead content</b>	0 %
<b>VOC (Volatile organic compounds)</b>	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.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Harmful: possible risk of irreversible effects if swallowed.
<b>Skin</b>	Causes burns.



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

## 11.2. Toxicological Information

<b>trimethylhexamet hylenediamine</b>	Oral Rat LD50: 910mg/kg
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## 11.3. Other information

	Swallowing will lead to a strong caustic effect on mouth and throat and danger of perforation of oesophagus and stomach.
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## SECTION 12: Ecological information

### 12.1. Toxicity

<b>trimethylhexamet hylenediamine</b>	Daphnia EC50/48h: 31.5 mg/l Algae IC50/72h: 29.5000 mg/l Fish LC50/96h: 1000.0000 mg/l
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### 12.2. Persistence and degradability

	No data is available on this product
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### 12.3. PBT

	Not applicable.
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### 12.4. Bioaccumulative potential

	No data is available on this product.
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### 12.5. Partition coefficient

Alpha 30 – Curing Agent No data available

### 12.6. Mobility in soil

Slightly miscible in water.

### 12.7. Results of PBT and vPvB assessment

No data is available on this product.

### 12.8. 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.  
 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**

UN2735

**14.2. UN proper shipping name**

AMINES, LIQUID, CORROSIVE N.O.S. (contains cyclohexanebis(methylamine), polyoxypropylenediamine, trimethylhexamethylenediamine)

**14.3. Transport hazard class(es)**

<b>ADR/RID</b>	8
<b>Subsidiary risk</b>	-
<b>IMDG</b>	8
<b>Subsidiary risk</b>	-
<b>IATA</b>	8
<b>Subsidiary risk</b>	-

**14.4. Packing group**

<b>Packing group</b>	III
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#### 14.5. Environmental hazards

<b>Environmental hazards</b>	No.
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<b>Marine pollutant</b>	No.
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#### 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.
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#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	For transport approval see regulatory information.
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#### ADR/RID

<b>Hazard ID</b>	80
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<b>Tunnel Category</b>	(E)
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#### ADR/RID

<b>EmS Code</b>	F-A-S-B
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#### ATA

<b>Packing Instruction (Cargo)</b>	856
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<b>Maximum quantity</b>	60 L
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<b>Packing Instruction (Passenger)</b>	852
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<b>Maximum quantity</b>	5 L
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## SECTION 15: Regulatory information

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

<b>Regulations</b>	<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 - Ingestion. 4 - Ingestion. 11 - Acute toxicity
Text of risk phrases in Section 3	R53 - May cause long-term adverse effects in the aquatic environment.
<b>Text of Hazard Statements in Section 3</b>	<p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.</p>

	<p>Acute Tox. 3: H301 - Toxic if swallowed.</p> <p>Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled</p> <p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>Eye Dam. 1: H318 - Causes serious eye damage.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.</p> <p>Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin</p> <p>Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.</p> <p>Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled</p>
<p><b>Maximum content of VOC</b></p>	<p>0 g/l.</p>

**Further information**

	<p>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.</p>
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