

PRODUCT NAME

ALPHA 60 BASE – PART B

S&F CODE

260060B

ISSUE DATE

09/1/2020

ISSUE NUMBER

002

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

Product Name	Alpha 60 - Curing Agent
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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;
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1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

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


SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2 Classification – EC 1272/2008

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

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	<p>Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.</p> <p>Skin Sens. 1: H317 - May cause an allergic skin reaction.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.</p>
Precautionary Statement: Prevention	<p>P260 - Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264 - Wash thoroughly after handling.</p> <p>P271 - Use only outdoors or in a well-ventilated area.</p> <p>P272 - Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 - Avoid release to the environment.</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p>
Precautionary Statement: Response	<p>P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p> <p>P302+P352 - IF ON SKIN: Wash with plenty of water.</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.</p> <p>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>
Precautionary Statement: Disposal	<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>P333+P313 - If skin irritation or rash occurs: Get medical</p>

Precautionary Statement: Storage Precautionary Statement: Disposal	<p>advice/attention. 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. P501 - Dispose of contents/container to</p>
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2.3. Other hazards

Other hazards	No data is available on this product.
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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
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 Corr. 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 Corr. 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;
trimethylhexane-1,6-diamine		25513-64-8	247-063-2	01-2119560598-25 01-2119560598-25		Acute Tox. 4: H302; Skin Corr. 1A: H314; Skin Sens. 1: H317;
p-Toluolsulfonsaure-1-hydrat		6192-52-5	203-180-0			Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;
Ethylenediamine	612-	107-15-	203-	01-2119480383-		Flam. Liq. 3: H226;

	006-00-6	3	468-6	37		Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1B: H314; Resp. Sens. 1: H334; Skin Sens. 1: H317;
2-Methyl-1,5-pentamethylenediamine		15520-10-2	239-556-6	01-2119976310-41		Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Corr. 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

Inhalation	Move the exposed person to fresh air.
Eye Contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open
Skin Contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing
Ingestion	Drink 1 to 2 glasses of water. DO NOT INDUCE VOMITING

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye Contact	Risk of serious damage to eyes.
Skin Contact	May cause irritation to skin.
Ingestion	Harmful: possible risk of irreversible effects if swallowed. Causes burns.

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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO₂), 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. Exposure controls

	  
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear protective clothing
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Butyl rubber gloves. Chemical resistant gloves. Polyvinyl chloride - PVC ().
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 feeding stuffs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
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	120 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper Explosive Limit	No data available
Lower Explosive Limit	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.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity	Harmful: possible risk of irreversible effects if swallowed.
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.

11.1.1. Toxicological Information

Bisphenol A- (epichlorhydrin) (reaction product)	Dermal Rat LD50: >2000mg/kg Oral Rat LD50: >2000mg/kg Inhalation Rat LC50/4 h: >0.15mg/l
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11.1.2. Other information

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

12.1. Persistence and degradability

	No data is available on this product.
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12.2. PBT

	Not applicable.
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12.3. Bioaccumulative potential

	No data is available on this product.
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12.4. Partition coefficient

	Alpha 60 - Curing Agent No data available.
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12.5. Mobility in soil

	Slightly miscible in water.
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12.6. Results of PBT and vPvB assessment

	No data is available on this product.
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12.7. Other adverse effects

	No data is available on this product.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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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.
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Disposal methods

	<p>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.</p>
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Disposal of packaging

	<p>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.</p>
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SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN2735.
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14.2. UN proper shipping name

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

Hazard ID	80
Tunnel Category	(E)

ADR/RID

EmS Code	F-A-S-B
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ATA

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

Maximum quantity	5 L
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SECTION 15: Regulatory information

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

Regulations	<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: 9 - 9.1. Information on basic physical and chemical properties (PH). 9 - 9.1. Information on basic physical and chemical properties (Flash point). 14 - ADR/RID.
Text of Hazard Statements in Section 3	Acute Tox. 3: H301 - Toxic if swallowed. Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Dam. 1: H318 - Causes serious eye damage. STOT SE 3: H335 - May cause respiratory irritation. Skin Corr. 1C: H314 - Causes severe skin burns and eye damage. Aquatic Chronic 3: H412 - Harmful to aquatic

	<p>life with long lasting effects. Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Acute Tox. 4: H302 - Harmful if swallowed. Eye Irrit. 2: H319 - Causes serious eye irritation. Flam. Liq. 3: H226 - Flammable liquid and vapour. Acute Tox. 4: H312 - Harmful in contact with skin. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.</p>
<p>Maximum content of VOC</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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