

SAFETY DATA SHEET STOPGAP F77 HARDENER

SECTION 1: Identification of th	e substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	STOPGAP F77 HARDENER
Product number	F3679
Internal identification	SGF77H/4
1.2. Relevant identified uses of	f the substance or mixture and uses advised against
Identified uses	Hardener.
Uses advised against	None
1.3. Details of the supplier of the	ne safety data sheet
Supplier	F.Ball and Co. Ltd. Churnetside Business Park, Station Road, Cheddleton, Leek, Staffordshire. ST13 7RS Tel: 01538 361633 Mon-Fri 8.30am-5.00pm (Exc Bank Holidays) Fax: 01538 361622 E.mail: msds@f-ball.co.uk
1.4. Emergency telephone nun	nber
Emergency telephone	01538 361633 Mon-Fri 8.30am - 5.00pm (excluding Bank Holidays)
National emergency telephone number	UK - National Poisons Information Service Call 111 Ireland - National Poisons Information Centre Call +353 1 809 2166
SECTION 2: Hazards identifica	ation
2.1. Classification of the substa	ance or mixture
Classification (EC 1272/2008)	
Physical hazards	Not Classified
Health hazards	Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 1B - H360
Environmental hazards	Aquatic Chronic 3 - H412
Human health	The product contains a sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals. This product can cause burns, Contains a substance with possible risk of impaired fertility.
Environmental	Harmful to aquatic life with long lasting effects.
2.2. Label elements	

Hazard pictograms



Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H360 May damage fertility or the unborn child. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	 P260 Do not breathe vapour/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P284 [In case of inadequate ventilation] wear respiratory protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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. P313 Get medical advice/ attention.
Contains	3-AMINOPROPYLDIMETHYLAMINE, 4,4'-ISOPROPYLIDENEDIPHENOL, 3- AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE, M- PHENYLENEBIS(METHYLAMINE), 3-AMINOPROPYLTRIETHOXYSILANE
Supplementary precautionary statements	 P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients		
3.2. Mixtures		
BENZYL ALCOHOL		10-30%
CAS number: 100-51-6	EC number: 202-859-9	REACH registration number: 01- 2119492630-38-0000
Classification		
Acute Tox. 4 - H302		
Acute Tox. 4 - H332		
2,4,6-TRIS(DIMETHYLAMINON	IETHYL)PHENOL	10-30%
CAS number: 90-72-2	EC number: 202-013-9	
Classification		
Acute Tox. 4 - H302		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		

4,4'-ISOPROPYLIDENEDIPHENOL		1-5%
CAS number: 80-05-7	EC number: 201-245-8	
Classification		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Repr. 1B - H360F		
STOT SE 3 - H335		
3-AMINOMETHYL-3, 5, 5 -		1-5%
TRIMETHYLCYCLOHEXYLAMINE		
CAS number: 2855-13-2	EC number: 220-666-8 REACH registration number: 01- 2119514687-32-0000	
Classification		
Acute Tox. 4 - H302		
Acute Tox. 4 - H312		
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Aquatic Chronic 3 - H412		
3-AMINOPROPYLDIMETHYLAMINE		1-5%
CAS number: 109-55-7	EC number: 203-680-9 REACH registration number: 01- 2119486842-27-0000	
Classification		
Flam. Liq. 3 - H226		
Acute Tox. 4 - H302		
Skin Corr. 1B - H314		
Eye Dam. 1 - H318		
Eye Dam. 1 - H318		1-5%
Eye Dam. 1 - H318 Skin Sens. 1 - H317	EC number: 216-032-5 REACH registration number: 01- 2119480150-50-0000	1-5%
Eye Dam. 1 - H318 Skin Sens. 1 - H317 M-PHENYLENEBIS(METHYLAMINE) CAS number: 1477-55-0		1-5%
Eye Dam. 1 - H318 Skin Sens. 1 - H317 M-PHENYLENEBIS(METHYLAMINE) CAS number: 1477-55-0 Classification		1-5%
Eye Dam. 1 - H318 Skin Sens. 1 - H317 M-PHENYLENEBIS(METHYLAMINE) CAS number: 1477-55-0 Classification Acute Tox. 4 - H302		1-5%
Eye Dam. 1 - H318 Skin Sens. 1 - H317 M-PHENYLENEBIS(METHYLAMINE) CAS number: 1477-55-0 Classification Acute Tox. 4 - H302 Acute Tox. 3 - H331		1-5%
Eye Dam. 1 - H318 Skin Sens. 1 - H317 M-PHENYLENEBIS(METHYLAMINE) CAS number: 1477-55-0 Classification Acute Tox. 4 - H302 Acute Tox. 3 - H331 Skin Corr. 1B - H314		1-5%
Eye Dam. 1 - H318 Skin Sens. 1 - H317 M-PHENYLENEBIS(METHYLAMINE) CAS number: 1477-55-0 Classification Acute Tox. 4 - H302 Acute Tox. 3 - H331		1-5%

3-AMINOPROPYLTRIETHO>	(YSILANE 1-59
CAS number: 919-30-2	EC number: 213-048-4
Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318	
The full text for all hazard state	ements is displayed in Section 16.
Composition comments	Epoxy hardener in organic solvent
SECTION 4: First aid measure	95
4.1. Description of first aid mea	asures
General information	Remove affected person from source of contamination.
Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Ge medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medica attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.
4.2. Most important symptoms	and effects, both acute and delayed
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause redness and irritation. May cause serious chemical burns to the skin. May cause an allergic skin reaction.
Eye contact	Irritation, burning, lachrymation, blurred vision after liquid splash. May cause serious eye damage.
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	Treat symptomatically.
SECTION 5: Firefighting meas	ures
5.1. Extinguishing media	
Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising fro	om the substance or mixture
Specific hazards	Toxic gases/vapours/fumes of: Oxides of the following substances: Carbon. Nitrogen.
Hazardous combustion products	Oxides of carbon. Oxides of nitrogen.
5.3. Advice for firefighters	

Protective actions during firefighting	No specific firefighting precautions known.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
SECTION 6: Accidental release	e measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Avoid contact with skin and eyes.
6.2. Environmental precaution	<u>s</u>
Environmental precautions	Avoid the spillage or runoff entering drains, sewers or watercourses. Avoid discharge into drains or watercourses or onto the ground. Contain spillages with sand, earth or any suitable absorbent material.
6.3. Methods and material for	containment and cleaning up
Methods for cleaning up	Absorb spillage with sand or other inert absorbent. Collect spillage in containers, seal securely and deliver for disposal as hazardous waste.
6.4. Reference to other section	ns
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.
SECTION 7: Handling and sto	rage
7.1. Precautions for safe hand	· · · · · · · · · · · · · · · · · · ·
7.1. Precautions for safe hand Usage precautions	· · · · · · · · · · · · · · · · · · ·
Usage precautions	ling Provide adequate ventilation. Good personal hygiene procedures should be implemented. Do
Usage precautions	ling Provide adequate ventilation. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using the product.
Usage precautions 7.2. Conditions for safe storag	ling Provide adequate ventilation. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using the product. e, including any incompatibilities Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C. Store in a cool and well-ventilated
Usage precautions 7.2. Conditions for safe storag Storage precautions	ling Provide adequate ventilation. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using the product. e, including any incompatibilities Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C. Store in a cool and well-ventilated
Usage precautions 7.2. Conditions for safe storag Storage precautions 7.3. Specific end use(s)	ling Provide adequate ventilation. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using the product. e, including any incompatibilities Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C. Store in a cool and well-ventilated place. The identified uses for this product are detailed in Section 1.2.
Usage precautions 7.2. Conditions for safe storag Storage precautions 7.3. Specific end use(s) Specific end use(s)	ling Provide adequate ventilation. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using the product. e, including any incompatibilities Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C. Store in a cool and well-ventilated place. The identified uses for this product are detailed in Section 1.2. s/Personal protection
Usage precautions 7.2. Conditions for safe storag Storage precautions 7.3. Specific end use(s) Specific end use(s) SECTION 8: Exposure control 8.1. Control parameters Occupational exposure limits 4,4'-ISOPROPYLIDENEDIPH	ling Provide adequate ventilation. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using the product. e, including any incompatibilities Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C. Store in a cool and well-ventilated place. The identified uses for this product are detailed in Section 1.2. s/Personal protection
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3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE (CAS: 2855-13-2)

DNEL	Workers - Inhalation; : 20.1 mg/m³
PNEC	- Fresh water; 0.06 mg/l - marine water; 0.006 mg/l
	4,4'-ISOPROPYLIDENEDIPHENOL (CAS: 80-05-7)
DNEL	Workers - Dermal; : 1.4 mg/kg Workers - Inhalation; : 10 mg/m³
PNEC	- Fresh water; 0.018 mg/l - marine water; 0.016 mg/l
	M-PHENYLENEBIS(METHYLAMINE) (CAS: 1477-55-0)
PNEC	- Fresh water; 0.094 mg/l

- marine water; 0.0094 mg/l

8.2. Exposure controls

Protective equipment







Appropriate engineering controls	Provide adequate general and local exhaust ventilation.	
Personal protection	Always check applicability with your supplier of protective equipment.	
Eye/face protection	If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.	
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Nitrile gloves to BSEN374 are recommended. Break through times can vary depending on thickness, use and source. Change gloves regularly.	
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.	
Hygiene measures	Provide eyewash station. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Wash contaminated clothing before reuse.	
Respiratory protection	In case of inadequate ventilation use a respirator suitable for organic vapours. Consult respirator manufacturer for specific advice.	
Environmental exposure controls	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.	
SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Annearance	Liquid	

Appearance	Liquid.
Colour	Yellowish.
Odour	Amine.
Odour threshold	Not determined.
рН	Not applicable.

Melting point	Not applicable.
Initial boiling point and range	Not determined.
Flash point	Not determined.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not applicable.
Other flammability	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1 approx. @ 23°C
Bulk density	Not determined.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not determined.
Viscosity	750 - 1500 cP @ 23°C
Explosive properties	Not applicable.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not determined.
Comments	Information given is applicable to the product in its ready-to-use form.
9.2. Other information	
Other information	None.
Refractive index	Not determined.
Particle size	Not applicable.
Molecular weight	Not determined.
Volatility	Not determined.
Saturation concentration	Not applicable.
Critical temperature	Not determined.
Volatile organic compound	Not determined.
SECTION 10: Stability and rea	ctivity
10.1. Reactivity	

10.1. Reactivity

Reactivity

The following materials may react with the product: Acids. Strong alkalis. Strong oxidising agents.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4. Conditions to avoid	
Conditions to avoid	Considerable exothermic reaction can occur when mixed with epoxide resins
10.5. Incompatible materials	
Materials to avoid	Strong acids. Strong alkalis. Strong oxidising agents.
10.6. Hazardous decompositio	on products
Hazardous decomposition products	Oxides of carbon. Oxides of nitrogen.
SECTION 11: Toxicological int	formation
11.1. Information on toxicologi	cal effects
Toxicological effects	No information available.
Acute toxicity - oral	
Notes (oral LD₅₀)	No specific test data are available.
ATE oral (mg/kg)	3,965.42
Acute toxicity - dermal	
Notes (dermal LD₅₀)	No specific test data are available.
ATE dermal (mg/kg)	50,348.43
Acute toxicity - inhalation Notes (inhalation LC ₅₀)	No specific test data are available.
Skin corrosion/irritation Skin corrosion/irritation	Corrosive to skin. Causes severe burns.
Animal data	No specific test data are available.
Human skin model test	No specific test data are available.
Extreme pH	No specific test data are available.
Serious eye damage/irritation Serious eye damage/irritation	Corrosivity to eyes is assumed.
Respiratory sensitisation Respiratory sensitisation	No specific test data are available.
Skin sensitisation Skin sensitisation	Sensitising.
Germ cell mutagenicity Genotoxicity - in vitro	No specific test data are available.
Genotoxicity - in vivo	No specific test data are available.
Carcinogenicity Carcinogenicity	No specific test data are available.

IARC carcinogenicity	Not listed.
Reproductive toxicity	
Reproductive toxicity - fertility	Suspected of damaging fertility.
Specific target organ toxicity -	single exposure
STOT - single exposure	No specific test data are available.
Specific target organ toxicity -	repeated exposure
STOT - repeated exposure	No specific test data are available.
Aspiration hazard	
Aspiration hazard	Not relevant.
General information	Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.
Inhalation	Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	May cause chemical burns in mouth, oesophagus and stomach.
Skin contact	Causes burns. May cause sensitisation by skin contact.
Eye contact	May cause chemical eye burns.
Acute and chronic health hazards	This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. Prolonged inhalation of high concentrations may damage respiratory system. May cause sensitisation by skin contact. Frequent inhalation of vapours may cause respiratory allergy. Suspected of damaging fertility.
Route of exposure	Skin and/or eye contact Inhalation
Target organs	Eyes Respiratory system, lungs Skin Reproductive organs
Medical symptoms	Chemical burns. May cause discomfort if swallowed. General respiratory distress, unproductive cough. Severe skin irritation.
Medical considerations	Pre-existing eye problems. Skin disorders and allergies. Chronic respiratory and obstructive airway diseases.

Toxicological information on ingredients.

3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE

Acute toxicity - dermal		
Acute toxicity dermal (LD₅₀ mg/kg)	1,840.0	
Species	Rabbit	
		3-AMINOPROPYLDIMETHYLAMINE
Acute toxicity - oral		
Acute toxicity oral (LD₅₀ mg/kg)	1,600.0	
Species	Rat	
Acute toxicity - dermal		

	Acute toxicity derm mg/kg)	al (LD₅₀	1,200.0
	Species		Rat
			M-PHENYLENEBIS(METHYLAMINE)
	Acute toxicity - oral		
	Acute toxicity oral (mg/kg)	(LD₅o	930.0
	Species		Rat
	Acute toxicity - der	mal	
	Acute toxicity dermal (LD₅ mg/kg)		2,000.0
	Species		Rabbit
	Notes (dermal LD ₅₀) Acute toxicity - inhalation		LD₅₀ 3100 mg/kg, Dermal, Rabbit
	ATE inhalation (vaj mg/l)	pours	3.0
SECTION 12: Ecological information			
Ecotoxicity	-	The product should not be allowed to enter drains, sewers or watercourses.	
12.1. Toxicit	t <u>v</u>		
Toxicity	I	Not measured. Do not allow to enter waterways or drains	
Acute aquat	Acute aquatic toxicity		
Acute toxicit	ty - fish I	Not determined	
Acute toxicit	ty - aquatic	Not determined.	

invertebrates Acute toxicity - aquatic plants Not determined. Acute toxicity -Not determined. microorganisms Acute toxicity - terrestrial Not determined. Chronic aquatic toxicity Chronic toxicity - fish early life Not determined. stage Short term toxicity - embryo Not determined. and sac fry stages Chronic toxicity - aquatic Not determined.

invertebrates

Ecological information on ingredients.

3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE

Acute aquatic toxicity

	Acute toxicity - fis	sh	LC50, 96 hours: 110 mg/l, Brachydanio rerio (Zebra Fish)
	Acute toxicity - aquatic invertebrates		EC₅₀, 48 hours: 23 mg/l, Daphnia magna
	Acute toxicity - ac plants	quatic	EC₅₀, 72 hours: 50 mg/l, Scenedesmus subspicatus
			3-AMINOPROPYLDIMETHYLAMINE
	Acute aquatic tox	icity	
	Acute toxicity - fis	sh	LC50, 96 hours: 122 mg/l, Leuciscus idus (Golden orfe)
	Acute toxicity - ac invertebrates	quatic	EC₅₀, : 44.5 mg/l, Daphnia magna
	Acute toxicity - aquatic plants Acute toxicity - microorganisms		EC₅₀, 72 hours: 56.2 mg/l, Scenedesmus subspicatus
			EC₅₀, 30 minutes: > 1000 mg/l, Activated sludge
			M-PHENYLENEBIS(METHYLAMINE)
	Acute aquatic toxicity		
	Acute toxicity - fish Acute toxicity - aquatic invertebrates		LC50, 96 hours: > 100 mg/l, Oncorhynchus mykiss (Rainbow trout) LC₅₀, 96 hours: > 100 mg/l, Brachydanio rerio (Zebra Fish) LC₅₀, 96 hours: 87.6 mg/l, Oryzias latipes (Red killifish)
			EC₅₀, 48 hours: 15.2 mg/l, Daphnia magna
	Acute toxicity - aquatic plants		EC₅₀, 72 hours: 20.3 mg/l, Selenastrum capricornutum
12.2. Persis	tence and degrada	ability	
Persistence	and degradability	There a	re no data on the degradability of this product.
Phototransf	ormation	Not dete	ermined.
Stability (hy	drolysis)	Not dete	ermined.
Biodegrada	legradation Not determined.		ermined.
Biological o	ological oxygen demand Not determined.		ermined.
Chemical o	emical oxygen demand Not determined.		ermined.
12.3. Bioaccumulative potential			
Bioaccumulative potential No data a		No data	available on bioaccumulation.
Partition co	rtition coefficient Not applicable.		
12.4. Mobili	ty in soil		
Mobility	The product is non-volatile.		
Adsorption/ coefficient	desorption	Not determined.	
Henry's law	constant	Not determined.	

Surface tension	Not determined.		
12.5. Results of PBT and vPvB assessment			
Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.		
12.6. Other adverse effects			
Other adverse effects	None known.		
SECTION 13: Disposal consid-	erations		
13.1. Waste treatment method	<u>S</u>		
Disposal methods	Small quantities may be treated with an equivalent quantity of product resin, allowed to cure and disposed of as low hazard waste. Larger quantities should be disposed of as hazardous waste via a licensed waste operator. Product containers must not be re-used without commercial cleaning.		
SECTION 14: Transport inform	nation		
14.1. UN number			
UN No. (ADR/RID)	2735		
UN No. (IMDG)	2735		
UN No. (ICAO)	2735		
UN No. (ADN)	2735		
14.2. UN proper shipping name	<u>e</u>		
Proper shipping name (ADR/RID)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE, 3-AMINOPROPYLDIMETHYLAMINE)		
Proper shipping name (IMDG)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE, 3-AMINOPROPYLDIMETHYLAMINE)		
Proper shipping name (ICAO)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE, 3-AMINOPROPYLDIMETHYLAMINE)		
Proper shipping name (ADN)	AMINES, LIQUID, CORROSIVE, N.O.S. (CONTAINS 3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE, 3-AMINOPROPYLDIMETHYLAMINE)		
14.3. Transport hazard class(e	<u>s)</u>		
ADR/RID class	8		
ADR/RID classification code	C7		
ADR/RID label	8		
IMDG class	8		
ICAO class/division	8		
ADN class	8		
Transport labels			
No contraction of the second s			

14.4. Packing group

ADR/RID packing	group	II
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IMDG packing	group	II
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ICAO packing group

ADN packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

П

IMDG Code segregation group	18. Alkalis
EmS	F-A, S-B
ADR transport category	2
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture		
National regulations	No listing known.	
Guidance	Safety Data Sheets for Substances and Preparations.	
Authorisations (Annex XIV Regulation 1907/2006)	No specific authorisations are known for this product.	
Restrictions (Annex XVII Regulation 1907/2006)	No specific restrictions on use are known for this product.	

15.2. Chemical safety assessment

SECTION 16: Other information		
General information	F.Ball and Company Ltd Technical Datasheet.	
Key literature references and sources for data	Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure Limits.	
Revision comments	Section 1 update Section 14 update	
Revision date	20/03/2019	
Revision	4	
Supersedes date	18/02/2016	
SDS status	Approved.	

Hazard statements in full	 H226 Flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H335 May cause respiratory irritation. H360 May damage fertility or the unborn child
	H332 Harmful if inhaled.
	H360 May damage fertility or the unborn child. H360F May damage fertility.
	H412 Harmful to aquatic life with long lasting effects.

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 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 himself as to the suitability of such information for his own particular use.