



SAFETY DATA SHEET STOPGAP F77 HARDENER

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

1.1. Product identifier

Product name STOPGAP F77 HARDENER

Internal identification SGF77H/3

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

Identified uses Hardener.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the 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 number

Emergency telephone 01538 361633 Mon-Fri 8.30am - 5.00pm (excluding Bank Holidays)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Repr. 2 - H361f

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn; R20/22. C; R34. Repr. Cat. 3 R62. R43

Human health The product contains a sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals. This product can cause burns, This product is harmful by inhalation and if swallowed.

Environmental The product is not expected to be hazardous to the environment.

2.2. Label elements

STOPGAP F77 HARDENER

Pictogram



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H361f Suspected of damaging fertility.
 H302+H332 Harmful if swallowed or if inhaled.

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/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

BENZYL ALCOHOL, 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL, 3-AMINOPROPYLDIMETHYLAMINE, 3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE, M-PHENYLENEBIS(METHYLAMINE), BISPHENOL A EPOXY RESIN, BIS(DIMETHYLAMINOMETHYL)PHENOL

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	30-60%
CAS number: 100-51-6	EC number: 202-859-9
	REACH registration number: 01-2119492630-38-0000
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302	Xn;R20/22
Acute Tox. 4 - H332	
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL	10-30%
CAS number: 90-72-2	EC number: 202-013-9
Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315	Xn;R22 Xi;R36/38
Eye Irrit. 2 - H319	
Acute Tox. 4 - H302	

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3-AMINOPROPYLDIMETHYLAMINE		1-10%
CAS number: 109-55-7	EC number: 203-680-9	REACH registration number: 01-2119486842-27-0000
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 C;R34 Xn;R22 R43	
Acute Tox. 4 - H302		
Skin Corr. 1B - H314		
Skin Sens. 1 - H317		
Eye Dam. 1 - H318		
3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE		1-10%
CAS number: 2855-13-2	EC number: 220-666-8	REACH registration number: 01-2119514687-32-0000
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn;R21/22. C;R34. R43,R52/53.	
Acute Tox. 4 - H312		
Skin Corr. 1B - H314		
Skin Sens. 1 - H317		
Eye Dam. 1 - H318		
Aquatic Chronic 3 - H412		
M-PHENYLENEBIS(METHYLAMINE)		1-10%
CAS number: 1477-55-0	EC number: 216-032-5	REACH registration number: 01-2119480150-50-0000
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn;R20/22. C;R34. R43,R52/53.	
Acute Tox. 4 - H332		
Skin Corr. 1B - H314		
Skin Sens. 1 - H317		
Eye Dam. 1 - H318		
Aquatic Chronic 3 - H412		
BISPHENOL A EPOXY RESIN		1-10%
CAS number: 25085-99-8	EC number: 201-245-8	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Eye Dam. 1 - H318	Repr. Cat. 3;R62. Xi;R37,R41. R43,R52.	
Skin Sens. 1 - H317		
Repr. 2 - H361f		
STOT SE 3 - H335		

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BIS(DIMETHYLAMINOMETHYL)PHENOL		1-5%
CAS number: 71074-89-0		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Corr. 1B - H314	C;R34.	
Eye Dam. 1 - H318		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments Epoxy hardener in organic solvent

SECTION 4: First aid measures

4.1. Description of first aid measures

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. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical 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	Harmful if inhaled. Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	Harmful 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 immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

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 from 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

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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 measures

6.1. Personal precautions, protective 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 precautions

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 sections

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 storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions 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.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

BISPHENOL A EPOXY RESIN

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit

BENZYL ALCOHOL (CAS: 100-51-6)

DNEL Workers - Dermal; : 9.5 mg/kg
Workers - Inhalation; : 90 mg/m³

PNEC - Fresh water; 1.0 mg/l
- Marine water; 0.1 mg/l

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2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL (CAS: 90-72-2)

DNEL	Workers - Inhalation; Long term systemic effects: 0.31 mg/m ³
PNEC	- Fresh water; 0.084 mg/l - Marine water; 0.0084 mg/l - Intermittent release; 0.84 mg/l - STP; 0.2 mg/l

3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE (CAS: 2855-13-2)

DNEL	Workers - Inhalation; : 20.1 mg/m ³
PNEC	- Fresh water; 0.06 mg/l - Marine water; 0.006 mg/l

BISPHENOL A EPOXY RESIN (CAS: 25085-99-8)

DNEL	Workers - Dermal; : 1.4 mg/kg Workers - Inhalation; : 10 mg/m ³
PNEC	- Fresh water; 0.018 mg/l - Marine water; 0.016 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.

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

Appearance	Liquid.
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Colour	Amber.
Odour	Slight.
Odour threshold	Not determined.
pH	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	1.0 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.
<u>9.2. Other information</u>	
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	This product contains a maximum VOC content of 62 (when mixed with resin) g/l.

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SECTION 10: Stability and 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 decomposition products

Hazardous decomposition products Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

Acute toxicity - oral

Notes (oral LD₅₀) No specific test data are available.

ATE oral (mg/kg) 567.48117239

Acute toxicity - dermal

Notes (dermal LD₅₀) No specific test data are available.

ATE dermal (mg/kg) 12,587.10851232

Acute toxicity - inhalation

Notes (inhalation LC₅₀) No specific test data are available.

ATE inhalation (vapours mg/l) 12.58710851

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

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Skin sensitisation	Sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	No specific test data are available.
Genotoxicity - in vivo	No specific test data are available.
<u>Carcinogenicity</u>	
Carcinogenicity	No specific test data are available.
IARC carcinogenicity	Not listed.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Suspected of damaging fertility.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	No specific test data are available.
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	No specific test data are available.
<u>Aspiration hazard</u>	
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	Harmful by inhalation.
Ingestion	Harmful if swallowed. 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 entry	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.

BENZYL ALCOHOL

Acute toxicity - inhalation

ATE inhalation (vapours 11.0 mg/l)

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

Acute toxicity - oral

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**Acute toxicity oral (LD₅₀
mg/kg)** 1,670.0

Species Rat

Acute toxicity - dermal

**Acute toxicity dermal (LD₅₀
mg/kg)** 1,242.0

Species Rabbit

3-AMINOPROPYLDIMETHYLAMINE**Acute toxicity - oral**

**Acute toxicity oral (LD₅₀
mg/kg)** 1,600.0

Species Rat

Acute toxicity - dermal

**Acute toxicity dermal (LD₅₀
mg/kg)** 1,200.0

Species Rat

3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE**Acute toxicity - dermal**

**Acute toxicity dermal (LD₅₀
mg/kg)** 1,840.0

Species Rabbit

M-PHENYLENEBIS(METHYLAMINE)**Acute toxicity - oral**

**Acute toxicity oral (LD₅₀
mg/kg)** 930.0

Species Rat

Acute toxicity - dermal

**Acute toxicity dermal (LD₅₀
mg/kg)** 2,000.0

Species Rabbit

Acute toxicity - inhalation

**ATE inhalation (vapours
mg/l)** 3.0

BISPHENOL A EPOXY RESIN**Acute toxicity - oral**

**Acute toxicity oral (LD₅₀
mg/kg)** 3,250.0

Species Rat

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Acute toxicity - dermal

Acute toxicity dermal (LD₅₀) 3,000.0
mg/kg)

Species Rabbit

SECTION 12: Ecological Information

Ecotoxicity The product should not be allowed to enter drains, sewers or watercourses.

12.1. Toxicity

Toxicity Not measured. Do not allow to enter waterways or drains

Acute toxicity - fish Not determined

Acute toxicity - aquatic invertebrates Not determined.

Acute toxicity - aquatic plants Not determined.

Acute toxicity - microorganisms Not determined.

Acute toxicity - terrestrial Not determined.

Chronic toxicity - fish early life stage Not determined.

Short term toxicity - embryo and sac fry stages Not determined.

Chronic toxicity - aquatic invertebrates Not determined.

Ecological information on ingredients.

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

Acute toxicity - fish LC50, 96 hours: 175 mg/l, Fish

Acute toxicity - aquatic invertebrates LC₅₀, 96 hours: 718 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 84 mg/l, Algae

3-AMINOPROPYLDIMETHYLAMINE

Acute toxicity - fish LC50, 96 hours, 96 hours: 122 mg/l, Leuciscus idus (Golden orfe)

Acute toxicity - aquatic invertebrates EC₅₀, : 44.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours, 72 hours: 56.2 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms EC₅₀, 30 min, 30 minutes: > 1000 mg/l, Activated sludge

3-AMINOMETHYL-3, 5, 5 - TRIMETHYLCYCLOHEXYLAMINE

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Acute toxicity - fish	LC50, 96 hours, 96 hours: 110 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours, 48 hours: 23 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours, 72 hours: 50 mg/l, Scenedesmus subspicatus

M-PHENYLENEBIS(METHYLAMINE)

Acute toxicity - fish	LC50, 96 hours, 96 hours: > 100 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours, 48 hours: 16 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Phototransformation Not determined.

Stability (hydrolysis) Not determined.

Biodegradation Not determined.

Biological oxygen demand Not determined.

Chemical oxygen demand Not determined.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not applicable.

Ecological information on ingredients.

2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL

Bioaccumulative potential Low

Partition coefficient log Pow: 0.219

12.4. Mobility in soil

Mobility The product is non-volatile.

Adsorption/desorption coefficient 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 considerations

13.1. Waste treatment methods

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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 information

14.1. UN number

UN No. (ADR/RID)	2735
UN No. (IMDG)	2735
UN No. (ICAO)	2735

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S (BIS(DIMETHYLAMINOMETHYL)PHENOL, M-PHENYLENEBIS(METHYLAMINE))
Proper shipping name (IMDG)	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S (BIS(DIMETHYLAMINOMETHYL)PHENOL, M-PHENYLENEBIS(METHYLAMINE))
Proper shipping name (ICAO)	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S (BIS(DIMETHYLAMINOMETHYL)PHENOL, M-PHENYLENEBIS(METHYLAMINE))
Proper shipping name (ADN)	AMINES, LIQUID, CORROSIVE, N.O.S. or POLYAMINES, LIQUID, CORROSIVE, N.O.S (BIS(DIMETHYLAMINOMETHYL)PHENOL, M-PHENYLENEBIS(METHYLAMINE))

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID label	8
IMDG class	8
ICAO class/division	8

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS	F-A, S-B
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80

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Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
No listing known.

Guidance Safety Data Sheets for Substances and Preparations.
Approved Classification and Labelling Guide (Sixth edition) L131.

Authorisations (Title VII Regulation 1907/2006) No specific authorisations are known for this product.

Restrictions (Title VIII 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. Type of Regulated Paint under the Air Pollution Control (Volatile Organic Compounds) Regulation of Hong Kong (Primers, Sealers and Undercoats). VOC Content (mixed with resin) not exceeding 62g/litre.

Key literature references and sources for data Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure Limits.

Revision comments Section 9: update. Section 11 update. Section 12 update.

Revision date 18/02/2016

Revision 3

Supersedes date 18/02/2015

SDS status Approved.

Risk phrases in full R10 Flammable.
R20/22 Harmful by inhalation and if swallowed.
R21/22 Harmful in contact with skin and if swallowed.
R22 Harmful if swallowed.
R34 Causes burns.
R36/38 Irritating to eyes and skin.
R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R52 Harmful to aquatic organisms.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.

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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.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H361f Suspected of damaging 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.