IMG DISTRIBUTORS
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Email: distributors@img-limited.co.uk
Industrial Maintenance Group Distributors
Riverside Industrial Estate
Fazeley, Tamworth
Staffordshire, B78 3RW

Superflex High Build

Issued: 05/04/2019; Revision No.2
Regulation (EC) No. 453/2010

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier
Material name : Superflex High Build

1.2 Relevant identified uses of the substance or mixture and uses advised against
Product use : Brushable mastic

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier: IMG Ltd.,
Unit M
Riverside Industrial Estate
Fazeley
Tamworth
B78 3RW

Tel. : 01827 283322
Fax. : 01827 250143

Email (for SDSs) : sales@img-limited.co.uk

1.4 Emergency tel. no.: 01827 283322 (Available from 08.30 – 17.00 hours).

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Physical and Chemical Hazards	Flam. Liq.3; H226
Human Health	Not classified
Environment	Aq.Chron.3; H412

2.2 Label elements
Labelling according to EC Directives: 1272/2008/EC:

Signal word: Warning
Pictogram(s):

Hazard Statements:	H226	Flammable liquid and vapour.
	H412	Harmful to aquatic life with long lasting effects.
Precautionary Statements:	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P242	Use only non-sparking tools.
	P261	Avoid breathing vapours.
	P273	Avoid release to the environment.
	P403+P235	Store in a well ventilated place. Keep cool.
	P501	Dispose of contents/container in accordance with local/national regulations.

2.3 Other hazards In use, may form flammable / explosive vapour-air mixture.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
WHITE SPIRIT	64742-82-1 919-446-0 01-2119458049-33-xxxx	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336i Aq. Chron. 2; H411	10-30%
2-METHOXY-1- METHYLETHYL ACETATE	108-65-6 203-603-9 01-2119475791-29-xxxx	Flam.Liq.3; H226	10-30%
1-METHOXY-2-PROPANOL	107-98-2 203-539-1 01-2119457435-35-xxxx	Flam.Liq.3; H226 STOT SE3; H336	<5%

See Section 16 for the full text of the H-statements noted above.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact: Wash with soap and water. Seek medical advice if irritation develops.

Eye contact: Rinse with water for 10 minutes and seek medical advice if irritation persists.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation: Remove to fresh air. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to skin and eyes with prolonged contact.

4.3 Indication of any immediate medical attention and special treatment needed: See skin and eye contact information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.
Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.
Further information: Standard procedure for chemical fires. Use water spray to cool containers.
Do not allow fire run-off to enter drains.

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Contain the spillage using sufficient appropriate absorbent material. Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up

Wipe up liquid spillage with absorbent material such as sand, earth, or vermiculite, and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections

See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not breathe vapour. Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

7.3 Specific end use(s): No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Chemical name	8hr TWA	15min STEL	Comment	Reference
White spirit	1200 mg/m^3	-		Manufacturer
2-Methoxy-1-methylethyl acetate	274 mg/m^3	822 mg/m^3	(Sk)	EH40/2005
1-Methoxy-2-Propanol	100 ppm	150 ppm	(Sk)	EH40/2005

DNEL:

DNEL (workers)	White spirit	Reference
Chronic systemic effects (inhalation)	330 mg/m^3	Manufacturer
Chronic systemic effects (dermal)	44 mg/kg bw/day	Manufacturer

DNEL (consumers)	White spirit	Reference
Chronic systemic effects (inhalation)	71 mg/m^3	Manufacturer
Chronic systemic effects (dermal)	26 mg/kg bw/day	Manufacturer

PNEC: The hydrocarbon solvent is a hydrocarbon with a complex, unknown or variable composition (UVCB). Conventional methods of deriving PNECs are not appropriate and it is not possible to identify a single representative PNEC for such substances.

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8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection: If vapour levels are high, wear a respirator conforming to EN 140 with type A filter or better.

Hand protection: Wear chemically resistant gloves such as butyl rubber approved to standard EN 374; material thickness 0.5mm; break through time ≥ 480 min. Gloves must be replaced after 8 hours of wear. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Check with glove manufacturer for specific advice. (Sk) noted above means can be absorbed through skin.

Eye protection: Chemical splash goggles of EN 166 standard if eye contact is reasonably probable.

Skin and body protection: General workwear.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls: Do not discharge into drains or rivers.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour	Liquid; various colours.
Odour	Characteristic
Odour Threshold	No data available
Flammability	Flammable
Flash point	40°C
Lower explosion limit	0.9%
Upper explosion limit	11.5%
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	No data available
Oxidising properties	Non-oxidising
Solubility in water	Slightly soluble
Solubility in other solvents	Soluble in most organic solvents.
pH	Not applicable
Melting point/range	No data available
Boiling point/range	No data available
Relative density	1.2 @ 20°C
Vapour pressure	No data available
Vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	No data available
Evaporation rate	No data available

9.2 Other information No data available

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10. STABILITY AND REACTIVITY

10.1 Reactivity Generally non-reactive.
10.2 Chemical stability Stable under normal conditions.
10.3 Possibility of hazardous reactions None if stored and used as directed.
10.4 Conditions to avoid Heat, flames and other sources of ignition.
10.5 Incompatible materials Strong acids, oxidising agents, alkalis.
10.6 Hazardous decomposition products Oxides of carbon, acrid smoke and irritating fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
WHITE SPIRIT	>15000 mg/kg (Rat)	>1.58 mg/l (Rat) 4h	>3400 mg/kg (Rabbit)
2-METHOXY-1- METHYLETHYL ACETATE	8532 mg/kg (Rat)	No data available	No data available
1-METHOXY-2-PROPANOL	3739 mg/kg (Rat)	10,000 ppm 5h (Rat)	13,000 mg/kg (Rabbit)

Skin corrosion/irritation: Prolonged contact may cause skin dryness.
Serious eye damage/eye irritation: May cause transient eye irritation.
Respiratory or skin sensitisation: Not classed as a respiratory or skin sensitizer.
Repeated dose toxicity: No data available.
Carcinogenicity: Not carcinogenic.
Mutagenicity: No known significant effects.
Toxicity for reproduction: No data available.
Specific target organ toxicity (STOT): High levels of vapour may cause drowsiness or dizziness.

Further information: The product as a whole may cause irritation of skin, eyes, nose and upper respiratory tract if exposed to high levels of vapour.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Species	Test	Value
WHITE SPIRIT	Daphnia	EC50 48h	10-20 mg/l
	Rainbow trout	EC50 96h	10-30 mg/l
	Algae	EC50 72h	4.6-10 mg/l

12.2 Persistence and degradability Partially biodegradable.
12.3 Bioaccumulative potential Not expected to bioaccumulate significantly.
12.4 Mobility in soil The liquid content is insoluble in water and will float on the surface.
12.5 Results of PBT and vPvB assessment Contains no PBT or vPvB substances.
12.6 Other adverse effects May be harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations: Dispose of in accordance with local and national regulations. Do not dispose of waste into sewer.
Do not dispose of together with household waste. Contact licensed waste disposal company.
Treat as hazardous waste.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not burn or use a cutting torch on the empty container.

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14. TRANSPORT INFORMATION

14.1 UN number	ADR/RID/ADN; IMDG; ICAO	1263
14.2 UN proper shipping name	PAINT RELATED PRODUCT	
14.3 Transport hazard class(es)	ADR/RID/ADN Class	3
	ADR/RID/ADN Class	Class 3
	ADR Label No.	3.3
	IMDG Class	3
	ICAO Class/Division	3
	ICAO Subsidiary risk	3.3
	Transport labels	
14.4 Packing Group	ADR/RID/ADN; IMDG; ICAO	III
14.5 Environment hazards	Marine Pollutant	No
14.6 Special precautions for user	EMS Tunnel restriction code:	3-05 D/E

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

15. REGULATORY INFORMATION

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

UK Regulatory References
The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives
Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Statutory Instruments
The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes
Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical Safety Assessments/Reports (CSA/CSR) are not required for mixtures.

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16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006 (REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals).

Tariff number: 32089091

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards:	On basis of test data/Expert judgement.
Health hazards:	Calculation method
Environmental hazards:	Calculation method

Full text of H-statements referred to under sections 2 and 3

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.
STOT: Single Target Organ Toxicity (Section 2;3;11).
RE: Repeated exposure (section 2;3)
SE: Single exposure (Section 2;3)
TWA: Time-weighted average. (Section 8).
STEL: Short-term exposure limit. (Section 8).
DNEL: Derived No Effect Level (Section 8).
PNEC: Predicted No Effect Concentration (Section 8).
PBT: Persistent, Bioaccumulative, Toxic. (Section 12).
vPvB: very Persistent and very Bioaccumulative. (Section 12).

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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