

Treadsafe Express Part B

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Issued: 17/05/2018; Revision No.1
Regulation (EU) 453/2010

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

1.1 Product Identifier

Material name : Treadsafe Express Hardener
Product code :

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

Product use : Component of epoxy coating

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 8.30 – 17.00 hours).

2. HAZARDS IDENTIFICATION

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

Physical and Chemical Hazards	Not classified
Human health	Sk. Irrit.2; H315; Sk.Sens.1B; H317; Eye Dam.1; H318
Environment	Aq.Chron.3; H412

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC

Signal word: Danger **Contains:** Ethoxylated nonylphenol; Pentaethylene hexamine

Pictograms:



Hazard statements:	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H318	Causes serious eye damage.
	H412	Harmful to aquatic life with long-lasting effects.

Precautionary statements:

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor
P501	Dispose of contents/container in accordance with national regulations.

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2.3 Other hazards: No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
ETHOXYLATED NONYLPHENOL	127087-87-0 500-315-8	Acute Tox.4; H302, H332 Sk.Irrit.2; H315 Eye Dam.1; H318 Aq.Chron.2; H411	<3%
PENTAETHYLENE HEXAMINE	4067-16-7 223-775-9	Skin.Corr.1B; H314 Eye Dam.1; H318 Sk.Sens.1; H317 Aq.Acute 1; H400 Aq.Chron.1; H410	<2%

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

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

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: Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if irritation or burns are apparent.

Eye contact: Rinse with water for 15 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: No undue effects in normal circumstances, if affected remove to fresh air and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause burns to eyes. May cause an allergic skin reaction.

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: Product is non-flammable; use appropriate extinguishing media for the surrounding area.

Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the substance or mixture

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

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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 unopened containers. Do not allow fire run-off to enter drains.

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 any 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

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 between 5°C and 25°C. Keep container tightly closed.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters: No ingredients have been assigned a Workplace Exposure Limit.

DNEL/PNEC: No information available.

8.2 Exposure controls

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

Personal protective equipment

Respiratory protection: Self contained breathing apparatus may be required if handling in a confined space with no ventilation.

Hand protection: Neoprene or nitrile gloves; check with glove manufacturer for specific advice.

Eye protection: Tightly-fitting safety goggles. Ensure eye bath is to hand.

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8.2 Exposure controls (continued)

Skin and body protection: Protective overalls.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

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	Coloured liquid
Odour	Characteristic
Odour Threshold	No data available
Flammability	Non-flammable
Flash point	499°C
Lower explosion limit	No data available
Upper explosion limit	No data available
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	No data available
Oxidising properties	Non-oxidising
Solubility in water	Immiscible
Solubility in other solvents	Not determined
pH	9.3
Melting point/range	Not determined
Boiling point/range	100°C
Density	1.02
Vapour pressure	2.3 kPa @20°C
Vapour density	1 (air=1)
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	>0.205 cm ² /s@40°C
Evaporation rate	0.09 (BuAc=1)

9.2 Other information VOC content: nil

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	Prolonged heat.
10.5 Incompatible materials	Strong acids. Strong alkalis. Strong oxidising agents.
10.6 Hazardous decomposition products	Oxides of carbon. Oxides of nitrogen.

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Chemical name	Oral (LD50)	Inhalation (LC50)	Dermal (LD50)
Pentaethylene hexamine	1600 mg/kg (Rat)	No data available	No data available

Skin corrosion/irritation:	May cause skin irritation.
Serious eye damage/eye irritation:	May cause eye damage.
Respiratory or skin sensitisation:	May cause skin sensitisation.
Repeated dose toxicity:	No data available.
Carcinogenicity:	Not carcinogenic.
Mutagenicity:	Not mutagenic.
Toxicity for reproduction:	No data available.
Specific target organ toxicity (STOT):	No data available.
Further information:	No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	No data available.
12.2 Persistence and degradability	Not readily biodegradable.
12.3 Bioaccumulative potential	Low bioaccumulation potential.
12.4 Mobility in soil	Negligible water solubility.
12.5 Results of PBT and vPvB assessment	No data available.
12.6 Other adverse effects	Harmful to aquatic organisms.

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.

European Waste

Catalogue (EWC): 08 01 11* – Waste paint and varnish containing organic solvents or other hazardous substances.
15 01 10* - Packaging containing residues of or contaminated by hazardous substances.

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14. TRANSPORT INFORMATION

Not classified for transport purposes. UN number not required.

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. Regulation EU 453/2010 amending Regulation (EC) No 1907/2006.

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.

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) as amended and Regulation EU 453/2010.

Tariff number: 39073000

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

Skin Irrit.2; H315: Calculation method
Skin Sens.1; H317: Calculation method
Eye Dam.1; H318: Calculation method
Aquatic Chronic 3; H412: Calculation method

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

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long-lasting effects
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long-lasting effects.

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Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.
STOT: Single Target Organ Toxicity (Section 11).
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).
EC50: Effective Concentration, 50 percent. (Section 12).
LC50: Lethal Concentration, 50 percent. (Section 11/12).
LD50: Lethal Dose, 50 percent. (Section 11).

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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