

Infosafe No™ LPT6B	Issue Date : August 2012	ISSUED by PARCHEMC
--------------------	--------------------------	--------------------




Product Name : **DURAFLOOR HS HARDENER (STD)**

Classified as hazardous

1. Identification

GHS Product Identifier	DURAFLOOR HS HARDENER (STD)
Company Name	Parchem Construction Supplies Pty Ltd (ABN 80 069 961 968)
Address	7 Lucca Road Wyong NSW 2259 Australia
Telephone/Fax Number	Tel: 02 4350 5000 Fax: 02 4351 2024
Emergency phone number	1800 638 556 (available 24/7)
Recommended use of the chemical and restrictions on use	Hardener component of epoxy resin flooring product.
Other Information	<p>This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Parchem Construction Supplies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.</p> <p>If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.</p> <p>www.parchem.com.au</p>

2. Hazard Identification

GHS classification of the substance/mixture	<p>Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia</p> <p>Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Flammable Liquids: Category 3</p> <p>Acute Toxicity - Oral, Category 4</p> <p>Acute Toxicity - Inhalation, Category 4</p> <p>Acute Toxicity - Dermal, Category 4</p> <p>Skin Corrosion/irritation, Category 1</p> <p>Serious eye damage/irritation, Category 1</p> <p>Skin Sensitiser, Category 1</p> <p>Hazardous to the Aquatic Environment - Acute Hazard: Category 3</p> <p>Hazardous to the Aquatic Environment - Long-Term Hazard, Category 3</p>
Signal Word (s)	Danger
Hazard Statement (s)	<p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H312 Harmful in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H332 Harmful if inhaled.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
Pictogram (s)	<p>Flame, Corrosion, Exclamation mark,</p> <div style="display: flex; justify-content: space-around; align-items: center;">    </div>
Precautionary statement - Prevention	<p>P102 Keep out of reach of children.</p> <p>P103 Read label before use.</p> <p>P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</p>

Infosafe No™ LPT6B

Issue Date : August 2012

ISSUED by PARCHEMC

Product Name : **DURAFLOOR HS HARDENER (STD)**

Classified as hazardous

Precautionary statement – Response

P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 Wash 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.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment. -This statement does not apply where this is the intended use.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P101 If medical advice is needed, have product container or label at hand.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P370+P378: In case of fire: Use foam, carbon dioxide or dry chemical powder to extinguish.
 INGESTION.
 P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
 INHALATION
 P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
 EYES
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 SKIN
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container to an approved waste disposal plant

Precautionary statement – Storage

Precautionary statement – Disposal

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Benzyl alcohol	100-51-6	15-40 %
	Isophoronediamine	2855-13-2	15-40 %
	Xylene	1330-20-7	10-<30 %
	Ethylbenzene	100-41-4	0-<10 %
	Nonylphenol	25154-52-3	0-<2.5 %
	Other ingredients determined not to be hazardous	Not required	Balance

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.
First Aid Facilities	Eye wash, safety shower and normal washroom facilities.
Advice to Doctor	Treat symptomatically.

Infosafe No™ LPT6B Issue Date : August 2012 ISSUED by PARCHEMC

Product Name : DURAFLOOR HS HARDENER (STD)

Classified as hazardous

Other Information For advice, contact a Poisons Information Centre (Phone eg Australia 131 126; New Zealand 0800 764 766) or a doctor (at once).

5. Fire-fighting measures

Suitable extinguishing media Use carbon dioxide, dry chemical, foam or water mist.

Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including oxides of nitrogen, unburnt hydrocarbons, carbon monoxide and carbon dioxide.

Specific hazards arising from the chemical Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

Hazchem Code •2W

Precautions in connection with Fire Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

6. Accidental release measures

Emergency Procedures Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling Corrosive and flammable liquid. Attacks skin and eyes. May produce severe burns. Wear suitable protective clothing, gloves and eye/face protection when mixing and using. Use in designated areas with adequate ventilation. Avoid breathing in vapours, mist or fumes. Keep containers closed when not in use. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous. Prevent the build up of mists or vapours in the work atmosphere. Keep containers sealed when not in use.

Conditions for safe storage, including any incompatibilities Corrosive and flammable liquid for storage and handling purposes. Keep tightly closed in a dry, cool, well-ventilated area, out of direct sunlight. Provide a catch-tank in a bunded area. Avoid sparks, flames and other ignition sources. Store away from incompatible materials. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the store-room reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids and AS 3780-2008 The storage and handling of corrosive substances. Reference should also be made to all Local, State and Federal regulations.

8. Exposure controls/personal protection

Occupational exposure limit values No exposure value assigned for this specific material by the Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia Exposure Standards:

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Xylene	80	350	150	655	-
Ethylbenzene	100	434	125	543	-

Infosafe No™ LPT6B

Issue Date : August 2012

ISSUED by PARCHEMC

Product Name : **DURAFLOOR HS HARDENER (STD)**

Classified as hazardous

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values

Biological Exposure Indices (BEI) from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant	Sampling Time	Biological Exposure Indices (BEI)
XYLENE [1330-20-7]		
Methylhippuric acids in urine	End of shift	1.5mg/g creatinine
Ethylbenzene (100-41-4)		
Sum of mandelic acid and phenylglyoxylic acid in urine	End of shift at end of work week	0.7g/g creatinine

Appropriate engineering controls

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection

Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection

Suitable workwear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

9. Physical and chemical properties

Appearance	Clear liquid
Odour	Amine
Melting Point	10°C (Isophorone diamine)
Boiling Point	Not available
Solubility in Water	Insoluble
Specific Gravity	0.97 @25°C
pH	Not available
Vapour Pressure	0.7 kPa (xylene)
Vapour Density (Air=1)	Not available
Evaporation Rate	Not available
Odour Threshold	Not available
Viscosity	Not available

Infosafe No™ LPT6B	Issue Date : August 2012	ISSUED by PARCHEMC
--------------------	--------------------------	--------------------

Product Name : **DURAFLOOR HS HARDENER (STD)**

Classified as hazardous

Volatile Component	45%
Partition Coefficient: n-octanol/water	Not available
Flash Point	26°C
Flammability	Flammable
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. Stability and reactivity

Reactivity	Reacts with incompatibles
Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat, flames and other ignition sources.
Incompatible Materials	Isocyanates, epoxies and strong oxidisers.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including unburnt hydrocarbons, carbon dioxide, carbon monoxide and oxides of nitrogen.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No toxicity data is available for this product.
Ingestion	Harmful if swallowed. Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.
Inhalation	Harmful by inhalation. Inhalation of mists or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.
Skin	Causes burns. Corrosive to the skin. Skin contact can cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction. Skin contact will cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction. Harmful in contact with skin. Prolonged or repeated skin contact may cause defatting leading to skin burns and skin sensitisation.
Eye	Eye contact can cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.
Respiratory sensitisation	May act as a sensitiser producing asthma-like (by inhalation) in sensitised individuals. Those sensitised may react to concentration levels that do not affect other, non sensitised, people.
Skin Sensitisation	May cause an allergic skin reaction. Testing demonstrated that Isophorone Diamine is a strong skin sensitiser (15 out of 15 test rabbits were sensitised)
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Ethylbenzene is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC).
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Not expected to cause damage to organs.
STOT-repeated exposure	Not expected to cause damage to organs.
Aspiration Hazard	Not expected to be an aspiration hazard.

Infosafe No™ LPT6B	Issue Date : August 2012	ISSUED by PARCHEMC
--------------------	--------------------------	--------------------

Product Name : **DURAFLOOR HS HARDENER (STD)**

Classified as hazardous

12. Ecological information

Ecotoxicity	Harmful to aquatic life with long lasting effects.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Prevent this material entering waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.
--------------------------------	--

14. Transport information

Transport Information	<p>Road and Rail Transport: This material is classified as Dangerous Goods Class 8 Corrosive Substances and subsidiary Class 3 Flammable liquids according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition). Class 8 Dangerous Goods are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none"> - Class 1, Explosives - Division 2.1, Flammable Gases, if both the Class 3 and Division 2.1 dangerous goods are in bulk - Division 2.3, Toxic Gases - Division 4.2, Spontaneously Combustible Substances - Division 4.3, Dangerous When Wet Substances - Division 5.1, Oxidising substances - Division 5.2, Organic Peroxides - Class 6, Toxic or Infectious Substances, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids - Class 7, Radioactive Substances <p>and are incompatible with food and food packaging in any quantity. Strong acids must not be loaded in the same freight container or on the same vehicle with strong alkalis. Packing Group I and II acids and alkalis should be considered as strong</p> <p>Marine Transport (IMO/IMDG): Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. UN No.: 2734 Proper Shipping Name: AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. (CONTAINS ISOPHORONEDIAMINE AND XYLENE) Class: 8 Sub. Risk: 3 Packaging Group: II EMS No.: F-E, S-C</p> <p>Air Transport (ICAO/IATA): Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. UN No: 2734 Proper Shipping Name: Amines, liquid, corrosive, flammable, n.o.s. (Contains Isophoronediamine and Xylene) Class: 8 Sub Risk: 3 Packing Group: II Label: Corrosive & Flammable liquid Packing Instruction: 851 (For passenger and cargo aircraft) Packing Instruction: 855 (For cargo aircraft only)</p>
U.N. Number	2734

Infosafe No™ LPT6B Issue Date : August 2012 ISSUED by PARCHEMC

Product Name : **DURAFLOOR HS HARDENER (STD)**

Classified as hazardous

UN proper shipping name	AMINES, LIQUID, CORROSIVE, FLAMMABLE, N.O.S. - (CONTAINS ISOPHORONE DIAMINE & XYLENE)
Transport hazard class(es)	8
Sub.Risk	3
Hazchem Code	•2W
Packing Group	II
EPG Number	8B1
IERG Number	18
IMDG Marine pollutant	No

15. Regulatory information

Regulatory Information	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Poisons Schedule	S5
AICS (Australia)	All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. Other Information

Date of preparation or last revision of SDS	SDS Reviewed: August 2012, Supersedes: September 2007
Contact Person/Point	Technical Support: 1800 812 864 ...End Of MSDS...

© Copyright ACOHS Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.
The compilation of MSDS's displayed is the intellectual property of Acohs Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Acohs Pty Ltd.