



# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**PRODUCT NAME:** Vapour-Stop (Hardener, part B)  
**MANUFACTURERS NAME:** Handley Industries Ltd  
**STREET ADDRESS:** 77 Hillside Road  
**CITY, STATE, POSTCODE:** Glenfield, Auckland, New Zealand  
**TELEPHONE NUMBER:** (09) 444 4558

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**PRODUCT DESCRIPTION:** Hardener Component for 2 Component Epoxy Coating

COMPONENTS/	CAS NUMBER	PROPORTION	RISK PHRASES
Epoxy Amine Adduct	None Assigned	40-60%	Not Applicable
2-Methylpentamethylene-diamine		15520-10-2	10-20%
Isophoronediamine	2855-13-2	10-20%	R34,R41,R42
Solvent 150	64742-94-5	1-10%	R34,R41,R42
Tris-(dimethylaminomethyl)-Phenol	Mixture	1-10%	R65
			R36/R38

## 3. HAZARDS IDENTIFICATION

**RISK PHRASES:** R34 Causes Burns  
R41 Risk of serious damage to eyes  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R43 May cause sensitization by skin contact  
R65 May cause lung damage if swallowed.

**POISONS SCHEDULE:** None allocated.

## 4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre. (New Zealand 0800 764766) or a doctor.

**INHALATION:** Remove victim from area of exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

<b>SKIN CONTACT:</b>	If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
<b>EYE CONTACT:</b>	If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.
<b>INGESTION:</b>	If swallowed, DO NOT induce vomiting. Give a glass of water. Get to a doctor or hospital quickly.
<b>NOTES TO PHYSICIAN:</b>	Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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<b>SPECIFIC HAZARDS:</b>	Corrosive substance.
<b>FIRE –FIGHTING ADVICE:</b>	On burning will emit toxic fumes. Keep containers cool with water spray. Fire Fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
<b>SUITABLE EXTINGUISHING MEDIA:</b>	Foam, dry agent (carbon dioxide, dry chemical powder).

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>SMALL SPILLS:</b>	Collect in a container for disposal via special chemical waste collection.
<b>LARGE SPILLS:</b>	Shut off all possible sources of ignition. Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours. Work up wind or increase ventilation. Contain – prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

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## 7. HANDLING AND STORAGE

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<b>HANDLING ADVICE:</b>	Keep out of reach of children. Avoid skin and eye contact and breathing in vapour.
<b>STORAGE ADVICE:</b>	Store in a well ventilated area away from foodstuffs, oxidising agents and sources of heat or ignition. Keep container closed when not in use – check regularly for leaks.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>OCCUPATIONAL EXPOSURE LIMITS:</b>	No value assigned for this specific material. Information on constituents available on request
<b>ENGINEERING CONTROL MEASURES:</b>	Ensure ventilation is adequate. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.
<b>PERSONAL PROTECTIVE</b>	Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour respirator meeting the requirements AS/NZS 1715 and AS/NZS 1716.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>PHYSICAL STATE:</b>	Liquid
<b>COLOUR:</b>	Blue
<b>ODOUR:</b>	Offensive Amine
<b>SOLUBILITY:</b> solvents	Insoluble in water. Soluble in organic
<b>SPECIFIC GRAVITY:</b>	0.97
<b>RELATIVE VAPOUR DENSITY (AIR=1):</b>	>1
<b>VAPOUR PRESSURE (20 C°):</b>	Not Available
<b>FLASH POINT (C°):</b>	>62oC
<b>FLAMMABILITY LIMITS (%):</b>	Not Available
<b>AUTOIGNITION TEMPERATURE (C°):</b>	Not Available
<b>% VOLATILE BY VOLUME:</b>	55-65%
<b>SOLUBILITY IN WATER (G/L):</b>	Insoluble
<b>MELTING POINT/RANGE (C°):</b>	Not Applicable
<b>BOILING POINT/RANGE (C°):</b>	Not Available
<b>DECOMPOSITION POINT (C°):</b>	Not Available
<b>PH:</b>	Not Applicable
<b>VISCOSITY: Ford Cup no.2</b>	Not Available
<b>EVAPORATION RATE:</b>	Not Available

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## 10. STABILITY AND REACTIVITY

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**STABILITY:** Incompatible with acids and strong oxidizing agents.

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## 11. TOXICOLOGICAL INFORMATION

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No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>INGESTION:</b>	Swallowing can result in nausea, vomiting and sever burns to the throat and stomach.
<b>EYE CONTACT:</b> resulting	Severe eye irritant. Contact with the eye could cause burns in permanent damage.
<b>SKIN CONTACT:</b>	Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.
<b>INHALATION:</b>	A respiratory sensitiser. Can cause possible allergic reactions, producing asthma like symptoms.
<b>LONG TERM EFFECTS:</b>	No information available for the product.
<b>TOXICOLOGICAL DATA:</b>	No LD50 data available for the product.

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## 12. ECOTOXICOLOGICAL INFORMATION

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Avoid contaminating waterways.

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### 13. DISPOSAL CONSIDERATIONS

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For large quantities: refer to Waste Management Authority. Dispose of material through a licensed waste contractor. For small quantities. Do not pour leftover paint down the drain. Empty paint containers should be left open in a well ventilated area to dry out.

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### 14. TRANSPORT INFORMATION

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<b>ROAD AND RAIL TRANSPORT:</b>	Classified as Hazardous
<b>UN NO:</b>	2735
<b>CLASS – PRIMARY:</b>	8 Corrosive
<b>PACKING GROUP:</b>	II
<b>PROPER SHIPPING NAME:</b>	AMINES, LIQUID, CORROSIVE, N.O.S.(CONTAINS 2-METHYLPENTAMETHYLENEDIAMINE AND ISOPHORONEDIAMINE)
<b>HAZCHEM CODE:</b>	3X
<b>MARINE TRANSPORT:</b>	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by Sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.
<b>UN NO:</b>	2735
<b>CLASS – PRIMARY:</b>	8 Corrosive
<b>PACKING GROUP:</b>	II
<b>PROPER SHIPPING NAME:</b>	AMINES, LIQUID, CORROSIVE, N.O.S.(CONTAINS 2-METHYLPENTAMETHYLENEDIAMINE AND ISOPHORONEDIAMINE)
<b>AIR TRANSPORT:</b>	Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by Air.
<b>UN NO:</b>	2735
<b>CLASS – PRIMARY:</b>	8 Corrosive
<b>PACKING GROUP:</b>	II
<b>PROPER SHIPPING NAME:</b>	AMINES, LIQUID, CORROSIVE, N.O.S.(CONTAINS 2-METHYLPENTAMETHYLENEDIAMINE AND ISOPHORONEDIAMINE)

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### 15. REGULATORY INFORMATION

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<b>CLASSIFICATION:</b>	This material is hazardous according to criteria of ERMA
<b>RISK PHRASE(S):</b>	R34 Causes Burns

R41 Risk of serious damage to eyes  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R43 May cause sensitization by skin contact  
R65 May cause lung damage if swallowed.

**SAFETY PHRASE(S):** S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**POISONS SCHEDULE:** None allocated.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

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## 16. OTHER INFORMATION

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This Material Safety Data Sheet has been prepared by Handley Industries Limited.

**REASON(S) FOR ISSUE:** First Issue Primary MSDS.

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Handley Industries Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Handley Industries Limited Representative or Handley Industries Limited at the contact details listed on the front page of this MSDS.

Handley Industries Limited responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.