SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Name	HS PRIMER SURFACER HARDENER
1.2 Manufacturer's Product Code	0178B
1.3 Uses	Industrial Paint Hardener
1.4 Company	PPG INDUSTRIES NEW ZEALAND LTD
Address	5 MONAHAN ROAD, MT WELLINGTON, AUCKLAND www.ppgnz.co.nz
Telephone Number	09 573 1620, 0800 659378 021 246 0188 (24 Hours)
Emergency Telephone	POISONS CENTRE: 0800 764766, 03 474 7000 (24 hrs)

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Statement of Hazardous Nature	Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.
2.2 HSNO Classification	3.1B,6.1D (INHL),6.1E (ORAL),6.3A,6.4A,6.5A,6.5B,6.7B,6.8B,6.9B
2.3 Signal Word	DANGER
2.4 Hazard Statements	Highly flammable liquid and vapour. Harmful if inhaled. May be harmful if swallowed. Causes skin irritation. Causes eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
2.5 Precautionary Statements	Read label before use. Keep away from heat/sparks/open flame/hot surfaces. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Keep out of reach of children. Avoid breathing mist/vapours spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe mist/vapours/spray.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Ingredients

Chemical Entity	CAS No.	Weight%	HSNO Classification of Ingredients
XYLENE	1330-20-7	10-30%	3.1C,6.1D (DERM),6.1D (ORAL),6.1E (INHL),6.3A 6.4A,6.8B,6.9B,9.1D,9.3C
ETHYL ACETATE	141-78-6	10-30%	3.1B,6.1E (INHL),6.1E (ORAL),6.4A,6.9B
T D I	584-84-9	<1%	6.1A (INHL),6.1E (ORAL),6.3B,6.4A,6.5A,6.5B 6.7B,6.9A,9.1C,9.3B

Ingredients determined to be non-hazardous, or below the hazardous threshold: to 100%

SECTION 4 - FIRST AID MEASURES

4.1 First Aid

Swallowed	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical advice/attention.
Skin Contact	Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Call a POISON CENTRE or doctor/physician if you feel unwell.
Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.
4.2 Advice to Doctor	Have product container or label at hand. The National Poisons Centre (Tel: 0800 POISON; 03-474-7000) are able to offer advice. Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Fire/Explosion Hazard	Flammable Liquid. Vapours form explosive mixture with air (see limits in section 9). Extinguishing Media: Foam, Dry Powder, CO2, Water Fog. Do not use water except as a fog to cool nearby containers. Wear breathing apparatus when fighting fire. Decomposition Products: Oxides of Carbon and Nitrogen, Isocyanate, traces of Hydrogen Cyanide.
5.2 Hazchem Code	3YE

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Spills	MINOR - Extinguish naked flames,and avoid sparks. Absorb with sand, sawdust or earth. Collect in drums, and cover with water for 24 hours, before arranging for disposal by a competent contractor, in accordance with local and national regulations. MAJOR - Extinguish naked flames and avoid sparks. Wear appropriate protective clothing and equipment.Evacuate surrounding personnel. Dike area of spill, and transfer to empty drums. Residue to be absorbed with sand, sawdust or earth, and placed in drums. Cover with water for 24 hours before arranging for disposal by a competent contractor, in accordance with local and national regulations.

SECTION 7 - HANDLING AND STORAGE

7.1	Avoid sources of heat, naked flames and sparks. Use in well ventilated area. Use flame proof equipment. Earth all containers to reduce the possibility of sparks from static electricity. Store in a cool,well ventilated place away from heat, naked flames and sparks. Store away from oxidising agents, alkaline materials and strong acids. Keep container closed at all times. Keep away from food, drink and clothing. Avoid water entering the container, as there is a danger of excessive pressure build-up after resealing.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Standards

Chemical Entity	CAS No.	Weight%	WES/TWA	WES/STEL
XYLENE	1330-20-7	10-30%	50ppm	
ETHYL ACETATE	141-78-6	10-30%	400ppm	500ppm
T D I	584-84-9	<1%	0.01ppm	

8.2 Engineering Controls

General mechanical ventilation or local exhaust should be suitable to keep vapour concentrations below WES/TWA. Ventilation equipment should be explosion proof.

8.3 Personal Protection

All mixing and handling of hardener and paint containing hardener must be carried out under working conditions that prevent skin contact and inhalation of vapours. Wear chemical safety glasses/goggles or faceshield. If spraying catalysed paint, an air-supplied hood or respirator must be used (complying with Australian Standard 1716 - Respiratory Protective Devices, or equivalent). The spray booth area should be isolated from other people while spraying is in progress, and until all spray mist has been effectively dispersed. If applying by brush or roller, a half face respirator with organic vapour cartridge may be used instead of air-supplied hood/respirator. Wear PVC or Nitrile chemical handling gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Description/Properties

Appearance	Clear Liquid, Solvent Odour.
Boiling Point	77 deg C
Specific Gravity	1.09
Flash Point c.c.	-4 deg C
Flammability Limits	1 - 11.5 % by volume in air
Volatile Content	40.5 % by weight
Solubility in Water	Not Soluble
Other Properties	Contains Isocyanate

SECTION 10 - STABILITY AND REACTIVITY

10.1 Normally stable.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Health Effects

Swallowed Slightly toxic. Main hazard of ingestion is aspiration of swallowed liquid into lungs, causing chemical pneumonitis.

Eye Contact Irritating, causing redness and burning sensation.

Skin Contact Irritating, causing redness and burning sensation.

Inhaled Harmful by inhalation. The vapour is irritating to the upper respiratory tract. May cause nausea, dizziness and narcosis. Extreme exposure may result in unconsciousness, and possibly death. Breathing the vapour or spray mist is harmful and may cause an asthma like reaction. Persons suffering from chronic respiratory problems should not use this product.

Chronic or Other Prolonged and repeated contact with the skin may irritate, and cause dermatitis. Prolonged overexposure to the solvents (inhalation and skin contact) may cause effects to the central nervous system, liver, urinary, bloodforming, cardiovascular and reproductive systems. Over-exposure to isocyanate, especially during spraying operations without the necessary precautions, entails the risk of concentration dependent irritating effects on eyes, nose, throat and respiratory tract. Delayed appearance of the complaints and development of hyper sensitivity (difficult breathing, coughing, asthma) are possible.

Hyper sensitive persons may suffer from these effects even at low isocyanate concentrations including concentrations below TLV. In case of longer contact with skin, tanning and irritating effects are possible.

11.2 Toxicity of Ingredients

Chemical Entity	Weight%	LD50 Oral Rat mg/Kg	LD50 Dermal Rat or rabbit mg/Kg	LC50 Inhalation Rat mg/L/4hr
XYLENE	10-30%	>2000	>2000	>5
ETHYL ACETATE	10-30%	5600	>18000	56000

SECTION 12 - ECOLOGICAL INFORMATION

12.1 HSNO Hazard Statements None required

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 General Disposal Do not let this product enter the environment. Dispose of this material and its container as hazardous waste. Do not pour unwanted paint or paint-related material down the drain. Keep unwanted material in sealed containers for disposal via special chemical waste collections. Empty paint containers should be left open in a well ventilated area to dry out. When dry, recycle steel containers via steel can recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.

13.2 Treatment Suitable treatment, in accordance with HS (Disposal) Regulations 2001, includes: Controlled burning. Export from New Zealand. Disposal via a licensed hazardous waste facility, in accordance with local regulations.

13.3 Disposal Methods Not To Be Used Treatment does NOT include depositing to sewers or waterways.

SECTION 14 - TRANSPORT INFORMATION

14.1 Land For local transportation within New Zealand refer to Land Transport Rule - DG 2005; for Australia refer to ADG code.

U.N. Number:	UN1263	Shipping Name:	Paint
D.G. Class:	3a	Subsidiary Risk:	
Packing Group:	II	Hazchem Code:	3YE

SECTION 15 - REGULATORY INFORMATION

15.1 HSNO Approval Number HSR002669 - Flammable, Toxic[6.7]

15.2 HSNO Controls

15.2.1 Emergency Management Regulations

Level 1:
Labelling required when 1L is present in a workplace.
Level 2:
MSDS required when any amount is present in a workplace.
At least 2 x 4.5Kg powder fire extinguishers required when 250L is present in a workplace.
Level 3:
Emergency Response Plans and Secondary Containment required when 1000L is stored.
Flammable Signage required when 250L is stored.

15.2.2 Classes 1 to 5 Controls Regulations	Hazardous Atmosphere Zones required for quantities greater than: 100L (closed), 25L (decanting), 5L (open occasionally), 1L (open continuously). Hazardous Substances Location Certificate required for quantities greater than: 250L (containers up to 5L), 100L (containers >5L), 50L (open containers).
15.2.3 Approved Handler	Yes - For quantities greater than 500L in containers up to 5L, 250L in containers >5L.
15.3 HMIS Code	331X*

SECTION 16 - OTHER INFORMATION

16.1 Directions for Use	Refer to the Technical Data Sheet for this product for directions for use. When sanding any paint, use wet sanding to avoid breathing dust. Wear a dust respirator if wet sanding not possible.
16.2 Labelled Ingredients	Contains: Ethyl Acetate 15-<20% w/w, Xylene 20-<25% w/w, T D I <1% w/w
16.3 Key/Legend	WES = Work Exposure Standard; TWA = Time Weighted Average; STEL = Short Term Exposure Limit; N/E = Not Established
16.4 Contact Point	COMPLIANCE MANAGER: 021 246 0188 (24 Hours) GENERAL MANAGER: 021 792 881 (24 Hours)