

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Name AMERLOCK 2 HARDENER
 1.2 Manufacturer's Product Code 0400B
 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 3.1C,6.1D (ORAL),6.1E (DERM),6.5B,6.8A,6.9B,8.2B,8.3A,9.1B,9.2C,9.3C
 2.3 Signal Word DANGER
 2.4 Hazard Statements Flammable liquid and vapour. Harmful if swallowed. May be harmful in contact with skin. May cause an allergic skin reaction. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Causes severe skin burns and eye damage. Causes serious eye damage. Toxic to aquatic life with long lasting effects. Harmful to the soil environment. Harmful to terrestrial vertebrates.
 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. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing mist/vapours spray. 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. Avoid release to the environment.

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
PHENOL CPD.		1-10%	6.1D (ORAL),6.1E (INHL),8.2B,8.3A,9.1A,9.2C,9.3C
ALIPHATIC AMINE		1-10%	6.1D (ORAL),6.5B,8.2C,8.3A
POLYAMINOAMIDE ADDUCT		1-10%	6.3A,6.5B,8.3A,9.1C
D I D P	26761-40-0	1-10%	6.8A,6.9B,9.1C
AROMATIC ALCOHOL		1-10%	6.1D (DERM),6.1D (ORAL),6.4A,6.5B,9.1D,9.2B,9.3C
POLYOXYPROPYLENEDIAMINE		1-10%	6.1C (DERM),6.1C (ORAL),8.2C,8.3A,9.3B
AMIDOAMINE		1-10%	8.2C,8.3A
FATTY AMINE CARBOXYLATE COMPLEX		1-10%	6.3A,6.4A
MINERAL SPIRITS	8052-41-3	<1%	3.1C,6.3B,9.1B

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, Ammonia, and possibly other noxious products.

5.2 Hazchem Code

3WE

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 arrange for disposal by a competent contractor, in accordance with local 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. Arrange disposal by competent contractor, in accordance with local 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.

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	
	PHENOL CPD.		1-10%	Not Known	
	ALIPHATIC AMINE		1-10%	Not Known	
	POLYAMINOAMIDE ADDUCT		1-10%	Not Known	
	AROMATIC ALCOHOL		1-10%	N/E	
	POLYOXYPROPYLENEDIAMINE		1-10%	Not Known	
	FATTY AMINE CARBOXYLATE COMPLEX		1-10%	Not Known	
	MINERAL SPIRITS	8052-41-3	<1%	100ppm	

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 Wear chemical safety glasses/goggles or faceshield. Wear half-face respirator, with organic vapour cartridge. Wear PVC or Nitrile chemical handling gloves.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**9.1 Physical Description/Properties**

Appearance	Clear Liquid, Aromatic Odour.
Boiling Point	138 deg C
Specific Gravity	1.41
Flash Point c.c.	24 deg C
Flammability Limits	1 - 6.6 % by volume in air
Volatile Content	15.5 % by weight
Solubility in Water	Very Low

SECTION 10 - STABILITY AND REACTIVITY

10.1 Normally stable.

SECTION 11 - TOXICOLOGICAL INFORMATION**11.1 Health Effects**

Swallowed	Corrosive and slightly toxic, with hazard of aspiration of swallowed liquid into lungs, causing chemical pneumonitis.
Eye Contact	Corrosive, causing redness and severe burning sensation.
Skin Contact	Corrosive, causing redness and severe 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.
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.

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
PHENOL CPD.	1-10%	580	2140	
ALIPHATIC AMINE	1-10%	1750	> 2000	
POLYAMINOAMIDE ADDUCT	1-10%	> 5000		
D I D P	1-10%	> 64000		
AROMATIC ALCOHOL	1-10%	1230		
POLYOXYPROPYLENEDIAMINE	1-10%	242	360	
AMIDOAMINE	1-10%	> 2000	> 2000	

SECTION 12 - ECOLOGICAL INFORMATION

12.1 HSNO Hazard Statements Toxic to aquatic life with long lasting effects.
Harmful to the soil environment.
Harmful to terrestrial vertebrates.

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:	UN3469	Shipping Name:	Paint, Flammable, Corrosive
D.G. Class:	3b	Subsidiary Risk:	8
Packing Group:	III	Hazchem Code:	3WE

SECTION 15 - REGULATORY INFORMATION

15.1 HSNO Approval Number HSR002663 - Flammable, Corrosive

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 500L is present in a workplace.
Level 3:
Emergency Response Plans and Secondary Containment required when 1000L is stored.
Flammable Signage required when 1000L is stored.
Corrosive Signage required when 250L is stored.

Ecotoxic Signage required when 1000L 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:
1500L (containers up to 5L), 500L (containers >5L), 250L (open containers).
- 15.2.3 Approved Handler** No
- 15.3 HMIS Code** 331H

SECTION 16 - OTHER INFORMATION

- 16.1 Directions for Use** Refer to the Technical Data Sheet for this product for directions for use.
- 16.2 Labelled Ingredients** Contains: Xylene 10-<15% w/w, Phenol Cpd. 5-<10% w/w, Aromatic Alcohol 3-<5% w/w, Aliphatic Amine 5-<10% w/w, D I D P 3-<5% w/w, Polyaminoamide Adduct 5-<10% 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)
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