

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Name POLYETCH CATALYST
 1.2 Manufacturer's Product Code 0719B
 1.3 Uses Industrial Paint Acid Catalyst
 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 (ORAL),6.3A,6.8B,6.9B,8.3A,9.1D,9.3C
 2.3 Signal Word DANGER
 2.4 Hazard Statements Highly flammable liquid and vapour. Harmful if swallowed. Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Causes serious eye damage. May cause long lasting harmful effects to aquatic life. 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. 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
METHYLATED SPIRITS		30-60%	3.1B,6.1E (ORAL),6.4A,6.8B,6.9B,9.1D
N BUTANOL	71-36-3	10-30%	3.1C,6.1D (ORAL),6.1E (DERM),6.1E (INHL),6.3A,8.3A,9.3C
M I B K	108-10-1	10-30%	3.1B,6.1D (ORAL),6.3B,6.4A,9.3B
METHOXY PROPYL ACETATE	108-65-6	1-10%	3.1C,6.4A
PHOSPHORIC ACID (AQUEOUS)	7664-38-2	1-10%	6.1D (ORAL),8.1A,8.2C,8.3A

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 Phosphorous.

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 plastic containers, label "Acid Waste", 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. Absorb spill with sand, sawdust or earth, and transfer to plastic containers. Label containers "Acid Waste", and arrange for disposal by a 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 plastic containers - NEVER in metal containers. Store in a cool, well ventilated place away from heat, naked flames and sparks. Store away from oxidising agents and alkaline materials. 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
	METHYLATED SPIRITS		30-60%	200ppm	
	N BUTANOL	71-36-3	10-30%	50ppm	
	M I B K	108-10-1	10-30%	50ppm	75ppm
	METHOXY PROPYL ACETATE	108-65-6	1-10%	100ppm	
	PHOSPHORIC ACID (AQUEOUS)	7664-38-2	1-10%	1mg/m ³	3mg/m ³

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, Solvent Odour.
Boiling Point	76.8 deg C
Specific Gravity	0.83
Flash Point c.c.	14 deg C
Flammability Limits	1.2 - 36 % by volume in air
Volatile Content	96.1 % by weight
Solubility in Water	Partly Miscible

SECTION 10 - STABILITY AND REACTIVITY

10.1 Normally stable.

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

Swallowed	Corrosive and slightly toxic. Main hazards of ingestion are chemical burning and 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 skin may cause chemical burns, and 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

<u>Chemical Entity</u>	<u>Weight%</u>	<u>LD50 Oral Rat mg/Kg</u>	<u>LD50 Dermal Rat or rabbit mg/Kg</u>	<u>LC50 Inhalation Rat mg/L/4hr</u>
METHYLATED SPIRITS	30-60%	>2000	>2000	>5
N BUTANOL	10-30%	>2000	>4200	>8000
M I B K	10-30%	2080	5990	>5
METHOXY PROPYL ACETATE	1-10%	>5155	>2000	>37500
PHOSPHORIC ACID (AQUEOUS)	1-10%	1530	2740	

SECTION 12 - ECOLOGICAL INFORMATION

12.1 HSNO Hazard Statements May cause long lasting harmful effects to aquatic life.
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.
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|----------------|--------|------------------|--|
| U.N. Number: | UN3469 | Shipping Name: | Paint Related Material, Flammable, Corrosive |
| D.G. Class: | 3a | Subsidiary Risk: | 8 |
| Packing Group: | II | Hazchem Code: | 3WE |

SECTION 15 - REGULATORY INFORMATION

- 15.1 HSNO Approval Number** HSR002662 - Flammable
- 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.
Corrosive Signage required when 1000L is stored.
Ecotoxic Signage required when 10000L 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** 330J

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: Methylated Spirits 50-<55% w/w, N Butanol 15-<20% w/w, Phosphoric Acid (aqueous) 3-<5% 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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