

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Name PPG ESTABUILD CATALYST
 1.2 Manufacturer's Product Code 0397B
 1.3 Uses Peroxide 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 3.1D,5.2E,6.1D (ORAL),8.2B,8.3A,9.1B,9.3C
 2.3 Signal Word DANGER
 2.4 Hazard Statements Combustible liquid. Heating may cause a fire. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates.
 2.5 Precautionary Statements Read label before use. Keep away from heat/sparks/open flame/hot surfaces. No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Keep/Store away from clothing/combustible materials. Keep only in original container. Keep out of reach of children. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. 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
M E K P CATALYST	1338-23-4	100%	3.1D,5.2E,6.1D (ORAL),8.2B,8.3A,9.1B,9.3C

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. Product contains organic peroxide, and is highly irritating to skin and eyes.

SECTION 5 - FIRE FIGHTING MEASURES**5.1 Fire/Explosion Hazard**

Combustible. Keep away from direct sunlight, heat, flame, sparks. Extinguishing Media: Water most effective. Also water fog, carbon dioxide and foam. CAUTION: DRY CHEMICAL CAN CAUSE MEKP TO RE-IGNITE. If confined in a rigid container (glass, metal, thick plastic) it could rupture violently. Exposure to a temperature of 63 deg C or greater may result in violent decomposition. Wear breathing apparatus when fighting fire. Non-burning material should be relocated to a safe area as soon as possible. Water spray should be placed on all containers exposed to excess heat. Decomposition Products: Oxides of carbon.

5.2 Hazchem Code

2WE

SECTION 6 - ACCIDENTAL RELEASE MEASURES**6.1 Spills**

Remove all sources of ignition and cover with inert non-combustible absorbent material to contain spillage. Calcium carbonate or soda ash or clean, moist sand are suitable absorbents. Gather absorbed mass with non-sparking tools to a clean polyethylene or polypropylene bag or container, and move to outdoors for disposal. Wash area with detergent and water. If there is to be a delay with disposal, wet contents of bag or container thoroughly with water, and seal.

SECTION 7 - HANDLING AND STORAGE**7.1**

Do not add to hot material and avoid all sources of contamination. Only glass, polypropylene, Teflon, polyethylene or ceramic containers, funnels and measuring devices should be used to avoid metal contamination during handling. When adding this material to a resin solution, promptly and thoroughly mix after addition is made. NEVER ADD PROMOTERS OR PROMOTED RESINS TO PRODUCT. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is, always wash hands before eating, drinking, smoking or using the toilet. Store away from other materials in a cool place in original containers and away from any source of direct sunlight, heat, flame or sparks. Storage in a cool area ideally below 27 deg C is recommended for maximum shelf-life, with a maximum temperature of 32 deg C.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Exposure Standards**

Chemical Entity	CAS No.	Weight%	WES/TWA	WES/STEL
M E K P CATALYST	1338-23-4	100%	0.2mg/m3	1.5mg/m3

8.2 Engineering Controls

General ventilation is required during normal use. Local ventilation may be required during certain operations to keep exposure levels below WES/TWA.

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. Wear cotton overalls. When large quantities are handled, the use of plastic aprons and rubber boots is recommended.

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

Appearance	Clear, Colourless Liquid.
Specific Gravity	1.10
Flash Point c.c.	<93 deg C
Flammability Limits	
Volatile Content	2.0 % by weight
Solubility in Water	Not Soluble.

SECTION 10 - STABILITY AND REACTIVITY

- 10.1** Materials to avoid: metallic contamination, amines, organic metal salts, and strong oxidising and reducing agents, mineral acids, alkalis, promoters and promoted resins. Hazardous polymerisation: will not occur. Conditions to avoid: direct sunlight, heat above 38 deg C, open flame or sparks, contamination with above materials, prolonged storage above 32 deg C.

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

Swallowed	Harmful if swallowed. Human systemic effects by ingestion: changes in structure or function of oesophagus, nausea and vomiting, other gastrointestinal effects.
Eye Contact	Irritating, causing redness and burning sensation.
Skin Contact	A severe skin irritant. Contact with skin may cause blistering and oedema.
Inhaled	Highly irritating to the respiratory tract. Inhalation of fumes or vapours may result in headache, dizziness, sneezing, incoordination, and CNS depression.
Chronic or Other	Repeated or prolonged skin contact will result in skin irritation, leading to contact dermatitis. Repeated or prolonged inhalation of vapours may cause mucous membrane irritation and vertigo.

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
M E K P CATALYST	100%	1466		

SECTION 12 - ECOLOGICAL INFORMATION

- 12.1 HSNO Hazard Statements** Toxic to aquatic life with long lasting effects.
Harmful to terrestrial vertebrates.

SECTION 13 - DISPOSAL CONSIDERATIONS

- 13.1 General Disposal** This material is considered hazardous waste.
- 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: | UN3105 | Shipping Name: | Organic Peroxide Type D, Liquid (M E K P) |
| D.G. Class: | 5.2 | Subsidiary Risk: | |
| Packing Group: | | Hazchem Code: | 2WE |

SECTION 15 - REGULATORY INFORMATION

- 15.1 HSNO Approval Number** HSR001376
- 15.2 HSNO Controls**
- 15.2.1 Emergency Management Regulations** Level 1:
Labelling required when 5L is present in a workplace.
Level 2:
MSDS required when 125mL is present in a workplace.
At least 1 x 4.5Kg powder fire extinguisher required when 50L 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 100L is stored.
Flammable Signage required when 10000L is stored.
Corrosive Signage required when 250L is stored.
Organic Peroxide Signage required when 10L is stored.
Ecotoxic Signage required when 1000L is stored.
- 15.2.2 Classes 1 to 5 Controls Regulations** Hazardous Substances Location Certificate required for quantities greater than: 25L.
- 15.2.3 Approved Handler** Yes - For quantities greater than 10L.
- 15.3 HMIS Code** 211D

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: M E K P Catalyst 100% 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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