

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Name MEK
 1.2 Manufacturer's Product Code 1127
 1.3 Uses Industrial Paint Thinner
 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,6.1E (ORAL),6.3B,6.4A,6.9B
 2.3 Signal Word DANGER
 2.4 Hazard Statements Highly flammable liquid and vapour. May be harmful if swallowed. Causes mild skin irritation. Causes eye irritation. 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. Wash thoroughly after handling. Do not breathe mist/vapours/spray.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Ingredients**

Chemical Entity	CAS No.	Weight%	HSNO Classification of Ingredients
M E K	78-93-3	100%	3.1B,6.1E (ORAL),6.3B,6.4A,6.9B

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.
- 5.2 Hazchem Code** 2[Y]E

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 |
|------------------------|-----------------|---------|---------|---------|----------|
| | M E K | 78-93-3 | 100% | 150ppm | 300ppm |
- 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, Ketone Odour.
Boiling Point	79 deg C
Vapour Pressure	75 mm Hg @ 20 deg C
Specific Gravity	0.81
Flash Point c.c.	-4 deg C
Flammability Limits	1.8 - 11.5 % by volume in air
Volatile Content	100.0 % by weight
Solubility in Water	Miscible

SECTION 10 - STABILITY AND REACTIVITY

10.1 Stable. Incompatible with strong oxidising agents.

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.

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
M E K	100%	> 2000	> 2000	> 5

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:	UN1193	Shipping Name:	MEK
D.G. Class:	3a	Subsidiary Risk:	
Packing Group:	II	Hazchem Code:	2[Y]E

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.

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 230H

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 > 60% 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)
