

TRIMFIX SUPPLIES

Trimfix Supplies: Unit 5/200 Hamilton Rd New Gisborne VIC.

Postal: PO Box 98 Gisborne VIC 3437

M.S.D.S INFORMATION – Telephone: 03 5428 3988

Facsimile: 03 5428 4988

MATERIAL SAFETY DATA SHEET

PRODUCT: A.B.S CEMENT

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Hazardous according to criteria of Worksafe Australia

UN No. : 1133 **POISON SCHEDULE No.** : S5
HAZCHEM : 2[Y]E
D.G. CLASS : 3
SUB RISK : None Allocated

PRODUCT IDENTIFICATION

CORRECT SHIPPING NAME : ETHYL METHYL KETONE

TRADENAMES : ABS CEMENT

PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE : Black or White high viscosity liquid with strong ketonic odour

FLASH POINT : -4 C

BOILING POINT : IBP: 79 C FBP: 81 C

FLAMMABILITY LIMITS: Upper: 11.5% Lower: 1.8%

VAPOUR PRESSURE : 8.9 kPa @ 20 C

SPECIFIC GRAVITY : Approx 0.85

SOLUBILITY IN WATER: Insoluble

AUTOIGNITION TEMP: 515 C

EVAPORATION RATE : 3.7

INGREDIENTS	CHEMICAL NAME:	CAS No:	PROPORTION:
	Ethyl Methyl Ketone	78-93-3	30–60%

USE : Bonding ABS

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HEALTH HAZARD INFORMATION

ACUTE EFFECTS

- SWALLOWED :** Swallowing can result in gastrointestinal irritation, in particular nausea and vomiting. May cause central nervous system depression (CNS) and aspiration or material into the lungs, resulting in chemical pneumonitis
- EYE :** Product vapour can cause eye irritation.
- SKIN :** The product should not be allowed to come into contact with skin. Frequent contact may cause mild irritation, including redness, itching and pain.
- INHALED :** Inhalation can lead to irritation of the respiratory system. Symptoms of overexposure may include fatigue, headache, dizziness, shortness of breath and possible nausea. Prolonged overexposure to product vapour can cause central nervous system depression which can lead to loss of co-ordination, impaired judgement and narcosis.

CHRONIC EFFECTS: Prolonged and repeated skin contact may cause dermatitis due to the degreasing action of solvents.

FIRST AID

- SWALLOWED :** DO NOT induce vomiting. Wash out mouth with water and give several glasses of water to drink. If vomiting occurs spontaneously, keep head below hips to prevent aspiration to the lungs. Contact a doctor or poisons information centre immediately while keeping victim at rest (Aust ph: 13 1126)
- EYE :** Immediately irrigate the eye with plenty of water for at least 15 minutes, holding the eyelids open. Seek immediate medical attention.
- SKIN :** Remove any contaminated clothing and wash affected areas thoroughly with soap and water. Clothing wet with product should be soaked with water before removal, to prevent the possibility of ignition by static electricity discharges. Seek medical advice if swelling, redness or irritation occurs.
- INHALED :** Remove from exposure seek fresh air immediately. If not breathing, apply artificial respiration at once and seek urgent medical advice.

FIRST AID FACILITIES: Eyewash fountain, safety shower and normal wash room facilitated.

ADVICE TO DOCTOR :

Oral : Extreme care must be taken to prevent aspiration. Treat symptomatically.

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Inhalation: Treat symptomatically

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PRECAUTIONS FOR USE

EXPOSURE LIMITS:

Methyl Ethyl Ketone: *TWA 150ppm (approx 445mg/m³) *STEL 300ppm (approx 890 mg/m³)

** As listed in the National Occupational Health & Safety Commission database*

ENGINEERING CONTROLS:

Ventilation: The working area must be adequately ventilated to maintain are concentrations below the exposure limits. If risk or overexposure exists, use with local exhaust ventilation or while wearing a vapour respirator. Product vapour is heavier than air and will collect at low levels. Hence, ventilate by extraction at low levels. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flame proof exhaust ventilation system is required.

For further information concerning ventilation, refer to:

AS 1940 – The storage and handling of flammable and combustible liquids &

AS 2430 – Explosive gas atmospheres.

PERSONAL PROTECTION:

Respiratory type: Approved respirators may be necessary to prevent over exposure by inhalation.

Refer to AS/NZS 1715 – Selection, use & maintenance of respiratory protective devices.

Glove type: Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However due to variations in glove construction and local conditions, the user should make a final assessment.

Eye protection: Wear safety glasses of chemical goggles to prevent eye contact. Refer to AS/NZS 1337 – Eye protectors for industrial use.

Clothing: Wear impervious protective clothing to prevent skin contact. Wash contaminated clothing before reuse.

Other: Subsequent to handling product, do not eat or drink until after washing hands thoroughly.

FLAMMABILITY:

Product is Highly Flammable. Isolate from sources of heat, naked flames, sparks and strong oxidising materials. Take precautions against static electricity discharges. Earth and bond all process equipment including tanks or drums. Ensure adequate ventilation to prevent and explosive vapour-air mixture. Vapours will travel considerable distances to sources of ignition.

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SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT :

Store in a cool, well ventilated area, away from ignition sources, heat, strong oxidising agents, foodstuffs and clothing. Keep containers closed when not in use. Take precautions against static electricity discharges.

Classified as a Dangerous Good Class 3 Flammable Liquid according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, Pkg Grp II

Shipping name: ETHYL METHYL KETONE

UN Number 1193 Hazchem code: 2[Y]E Poisons schedule number: S5

SPILLS AND DISPOSAL :

Clear area of all unwanted persons. Extinguish or remove all source of ignition and shut off source of leak if safe to do so. Dyke and contain spill with absorbent inert material (ie. vermiculite, dry sand or earth), using non-sparking tools and equipment. Do not use combustible materials such as sawdust. Place into suitable sealed containers and follow or allow spillage to enter into drains, sewers or watercourses – inform local authority if this occurs.

FIRE/EXPLOSION HAZARD :

Flammable liquid. Keep storage tanks cool with water spray as they may explode in heat or fire. Take precautions against static electricity discharges. Earth and bond all process equipment, including tanks or drums. Ensure adequate ventilation to prevent an explosive vapour-air mixture. Vapours can travel considerable distances to sources of ignition and flash back. Be aware of the possibility of re-ignition.

Fire Fighting Recommendations:

Wear full protective clothing and self contained breathing apparatus.

Extinguishing media: Use foam, dry chemical or carbon dioxide extinguishers.

Hazardous Decomposition Products on Burning:

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OTHER INFORMATION

TOXICOLOGICAL INFORMATION:

MEK:

Irritation data: - 24hrs after applying 500mg onto rabbit's skin caused moderate irritation.

NOHSC* Carcinogen category – none

**National Occupational Health & Safety Commission*

Data last modified: 01/06/2016

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