

TRIMFIX SUPPLIES

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MATERIAL SAFETY DATA SHEET

PRODUCT: PLASTI-SET LIQUID MONOMER **ISSUED:** 01/06/2016

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PRODUCT IDENTIFICATION

CORRECT SHIPPING NAME : ETHYL METHACRYLATE MONOMER

OTHER NAMES : LIQUID MONOMER

TRADENAMES : LIQUID MONOMER CLEAR

: LIQUID MONOMER DYE – RED

: LIQUID MONOMER DYE - AMBER

PHYSICAL DESCRIPTION / PROPERTIES

FLASH POINT : 60 F

FLAMMABILITY LIMITS : Lower: 1.8%

AUTOIGNITION TEMP : 771 F

COMPOSITIONAL INFORMATION

CHEMICAL NAME (INGREDIENT)	CAS NUMBER	EXPOSURE LIMITS / HEALTH HAZARDS
Ethyl Methacrylate – Inhibited	97-63-2	A PEL or TLV has not been established
TRIETHYLENE GLYCOL DIMETHACRYLATE ESTERS	109-16-0	A PEL or TLV has not been established
N. N DIMETHYL P TOLUIDINE	99-97-8	None – OSHA-PEL mg/m ³ TLV (ACGIH)
2-(2-HYDROXY-3, 5-di-tertamylphenyl) benzotriazole	25973-55-1	A PEL or TLV has not been established
2-Hydroxy-4 -n- octoxybenzophenone	1843-05-6	A PEL or TLV has not been established

* Values do not reflect absolute minimums and maximums; these values are typical which may vary from time to time

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HEALTH HAZARD INFORMATION

POTENTIAL HEALTH EFFECTS

EYE : MODERATELY IRRITATING
May cause eye irritation. This information is based on findings from related or similar materials.

SKIN : SLIGHTLY IRRITATING
May cause skin irritation. May cause an allergic reaction to some individuals.

INHALED : SLIGHTLY TO MODERATELY IRRITATING

FIRST AID INFORMATION

SWALLOWED: If person is conscious and alert, give 1-3 glasses of water to dilute stomach contents.
GET IMMEDIATE MEDICAL ATTENTION.

SKIN : Remove contaminated clothing and wash before re-use. Wash affected areas with soap and water.
See a physician if irritation persists.

EYE : Remove contact lenses if worn. Flush with plenty of water. If irritation occurs consult a physician.

INHALED : Move affected person to fresh air, if having breathing difficulty administer oxygen. Give artificial respiration if breathing has stopped. Call a physician.

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PRECAUTIONS FOR USE

ENGINEERING CONTROLS:

Ventilation: The working area must be adequately ventilated to maintain 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.

REACTIVITY INFORMATION

Stable under normal conditions

Hazardous reactions/Decomposition Products:

May form carbon dioxide and carbon monoxide

Hazardous Polymerization may occur

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SAFE HANDLING INFORMATION

STORAGE AND HANDLING :

Handling – After handling specified product wash hands thoroughly before eating, drinking or smoking.

Storage – Store below 120 F in tightly closed containers in cool, dry, isolated, well-ventilated area away from heat, sources of ignition and incompatibles. Store out of direct sunlight. Use non-sparking tools.

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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