

EMS CATALOG NO: 15300
EMS PRODUCT: Ethylene Glycol
Dimethacrylate
DATE: 06/15/2006
PAGE NUMBER: One of 4

MATERIAL SAFETY DATA SHEET

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FOR PRODUCT AND SALES INFORMATION

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PRODUCT IDENTIFICATION

PRODUCT NAME: Ethylene Glycol Dimethacrylate

CAS NUMBER: 97-90-5

FORMULA: C10H14O4

EC NO: 202-617-2

SYNONYMS:

AGEFLEX EGDM * 1,2-BIS (METHACRYLOYLOXY) ETHANE * DIGLYCOL
DIMETHACRYLATE * ETHANEDIOL DIMETHACRYLATE * ETHYDIOL METACRYLATE *
ETHYLENE GLYCOL BIS (METHACRYLATE) * ETHYLENE GLYCOL DIMETHACRYLATE *
ETHYLENE METHACRYLATE * GLYCOL DIMETHACRYLATE * 2-PROPENOIC ACID,
2-METHYL-, 1,2-ETHANEDIYL ESTER (9CI) * SARTOMER SR 206 * SR 206 *

HAZARDS IDENTIFICATION

LABEL PRECAUTIONARY STATEMENTS:

Harmful

Harmful by inhalation, in contact with skin and if swallowed.

Irritating to eyes and respiratory system.

Lachrymator.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable protective clothing.

FIRST-AID MEASURES

In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. If swallowed, wash out mouth with water provided person is conscious. call a physician. Wash contaminated clothing before reuse.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray. Carbon Dioxide, dry chemical powder or appropriate foam.

SPECIAL FIREFIGHTING PROCEDURES:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS: Emits toxic fumes under fire conditions.

ACCIDENTAL RELEASE MEASURES

Evacuate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Cover with dry lime or soda ash, pick-up, keep in a closed container and hold for waste disposal. Ventilate area and wash spill site after material pick-up is complete.

HANDLING AND STORAGE

ADDITIONAL INFORMATION:

Inhibited with 40-150 ppm Hydroquinone. Do not transfer or store under an inert atmosphere as autopolymerization may occur.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear appropriate NIOSH/MSHA-APPROVED respirator, chemical-resistant gloves, safety goggles, other protective clothing.
Safety shower and eye bath.
Use only in a chemical fume hood.
Do not breathe vapor.
Avoid contact with eyes, skin and clothing.
Avoid prolonged or repeated exposure.
Wash thoroughly after handling.
Lachrymator.
Irritant.
Harmful liquid.
Keep tightly closed.
Light sensitive.
Refrigerate.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:
Colorless liquid.

PHYSICAL PROPERTIES

BOILING POINT: ~66 to 68OC/2MM
VAPOR PRESSURE: <0.1MM 21.1 C
SPECIFIC GRAVITY: 1.053
VAPOR DENSITY: >1

STABILITY AND REACTIVITY

INCOMPATIBILITIES:
Strong oxidizing agents may polymerize on exposure to light.
Strong acids
Strong bases

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:
Toxic fumes of: carbon monoxide, carbon dioxide

TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:
Harmful if swallowed, inhaled, or absorbed through skin.
Vapor or mist is irritating to the eyes, mucous membranes and

upper respiratory tract. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

RTECS #: OZ4400000:

Methacrylic acid, ethylene ester

TOXICITY DATA:

Orl-rat	LD50:3300 mg/kg	Gtpzab	24 (4), 58, 80
Ipr-rat	LD50:2800 mg/kg	Ampmar	36, 58, 75
Orl-mus	LD50:2 gm/kg	Gtpzab	24 (4), 58, 80

Only selected registry of toxic effects of chemical substances (RTECS) data is presented here. See Actual entry in RTECS for complete information.

ECOLOGICAL INFORMATION

DATA NOT YET AVAILABLE.

DISPOSAL CONSIDERATIONS

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local environmental regulations.

REGULATORY INFORMATION

EUROPEAN INFORMATION:

EC Index No: 607-114-00-5
Harmful
R 36/37
Irritating to eyes and respiratory system.

REVIEWS, STANDARDS, AND REGULATIONS:

OEL=MAK
NOHS 1974: HZD M3204; NIS 3; TNF 983; NOS 7; TNE 6295
NOES 1983: HZD M3204; NIS 8; TNF 562; NOS 14; TNE 9073; TFE 3604
EPA TSCA SECTION 8 (B) CHEMICAL INVENTORY
EPA TSCA 8 (A) PRELIMINARY ASSESSMENT INFORMATION, FINAL RULE
FEREAC 47,26992,82
EPA TSCA SECTION 8 (D) UNPUBLISHED HEALTH/SAFETY STUDIES
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1997