

ADLOCK 121 (9002U)

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Uni-Continental Distributors cc, 26 Havelock Street, Central, Port Elizabeth

Tel: 041-586 4588

Product name : Adlock 121 – 9002U
Recommended use : Adhesive

Creation date : 21-Jan-2003
Revision date : 03 – Oct - 2011

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

<u>Component</u>	<u>EC Number</u>	<u>Concentration (%)</u>	<u>EC Symbol</u> <u>Risk Phrases</u>
Methyl Methacrylate	201-297-1	40 – 60	F:R11 Xi:R37/38 R43
2-Hydroxyethyl Methacrylate	212-782-2	5 – 15	Xi:R36/38 R43
2, 3-Epoxypropyl Methacrylate	203-441-9	1 – 5	Xn:R20/21/22 Xi:R36/38 R43
Acrylonitrile-Butadiene Copolymer		10 – 20	
Cumene Hydroperoxide	201-254-7	1 – 5	O:R7 T:R23 Xn:21/22 R48/20/22 C:R34 N:R51/53

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview : Harmful, Irritant, Sensitize, Flammable

Potential Health Effects:

Inhalation : Vapor may be irritant to the respiratory tract
Skin contact : Corrosive, repeated and/or prolonged contact may cause skin sensitization
Eye contact : Corrosive, causes eye burns
Ingestion : Corrosive to mouth, esophagus and stomach

Physico-Chemical : May readily catch fire after brief contact with source of ignition

Environmental : Not available

SECTION 4 FIRST AID MEASURES

Inhalation : Give artificial respiration if not breathing. Get immediate medical attention.
If medical attention is not required, remove to uncontaminated area.

Skin contact : Flush exposed areas thoroughly with soap and water until all chemical is removed.
Remove contaminated clothing and launder before re-use. Unless the itchiness or inflammation has cleared, get medical attention.

Eye contact : Wash by a large quantity of water for more than 15 min. and get medical attention immediately.

Ingestion : Wash thoroughly with water, then drink a large quantity of water and vomit it. Get medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media : Regular dry chemical, carbon dioxide, water, regular foam
Large Fires : Fire fighter should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fires.
Fire & Explosion Hazards : Combustion may release noxious or toxic vapors.
Hazardous Combustion Products : Carbon monoxides, carbon dioxide, unknown hydrocarbons
Flash Point : 10 – 20 °C (Setaflash Closed Tester)

SECTION 6 ACCIDENTAL RELEASE MEASURES

Occupational Release : Avoid heat, flames, sparks and other sources of ignition. Stop leak if possible without personal risk. Reduce vapors with ventilation. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

SECTION 7 HANDLING AND STORAGE

Handling / Storage : Store in a cool, dry and dark place. Keep away from heat, sources of ignition and incompatible substances.
Sensitive to Static Electricity : Yes
Sensitive to Mechanical Impact : No

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits : Methyl methacrylate : ACGIH – 100ppm (TLV-TWA), 125ppm (TVL-STEL)

Occupational Exposure Controls:

Ventilation : Provide local exhaust ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits
Eye Protection : Wear splash resistant safety goggles. Provide emergency eye wash fountain & quick drench shower in the immediate work area.
Clothing : Wear appropriate chemical resistant clothing.
Gloves : Wear appropriate chemical resistant gloves.
Respiration : Wear any chemical cartridge respirator with organic vapor cartridge(s).

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

Pure substance or Preparation : Preparation
Physical State : Liquid
Colour : Green – Base ; Pink - Activator
Odour : Acrylic Odour
Boiling Point : 101 °C
Relative Density : 1.0 – 1.1
Water Solubility : Insoluble
Volatility : Yes
Coefficient of Water/Oil Distribution: Not Available

SECTION 10 STABILITY & REACTIVITY

Reactivity : Stable at normal temperatures & pressures
Conditions to Avoid : Avoid heat, flames, sparks & other sources of ignition
Incompatibilities : Keep out of basic substances & reducing agents

Hazardous Decomposition:

Thermal Decompositions Products : Carbon monoxides, carbon dioxide, unknown hydrocarbons

SECTION 11 TOXICOLOGICAL INFORMATION

Health Effects:

Inhalation:

- Acute exposure : Methyl methacrylate : may cause irritation of the respiratory tract
- Chronic exposure: Methyl methacrylate : no data available

Skin Contact:

- Acute exposure : Methyl methacrylate : may cause irritation & bonding of the skin. Rarely may cause thermal burns.
- Chronic exposure: Methyl methacrylate : no data available

Eye Contact:

- Acute exposure : Methyl methacrylate : may cause irritation, lacrimation, double vision & tissue damage usually with no permanent effects. Direct contact may seal eyelids shut. Separation may cause mechanical damage to cornea.
- Chronic exposure: Methyl methacrylate : no data available

Ingestion:

- Acute exposure : Methyl methacrylate : contact may cause bonding of the mouth & lips.
- Chronic exposure: Methyl methacrylate : no data available

SECTION 12 ECOLOGICAL INFORMATION

Potential Effect on Environment : MMA has estimate of 48-96 hours median tolerance limit,
Goldfish : 426-277mg/L : 96 hours LC50'
Bluegill Sunfish 91mg/L: 96 hours LC50'
Guppy 91mg/L

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

SECTION 14 TRANSPORT INFORMATION

Air Transport IATA/ICAO:

Proper Shipping Name : Flammable Liquid
Technical Name : Adhesive
Hazard Class : 3
UN Number : 1133
Packing Group : II

Maritime Transport IMDG:

Proper Shipping Name : Flammable Liquid
Technical Name : Adhesive
Hazard Class : 3
UN Number : 1133
Packing Group : II

SECTION 15 REGULATORY INFORMATION

Labeling According to EEC Derectives:

Hazard Symbol : Xn – Harmful, F – Flammable
Risk Phrases : R11 – highly flammable
R20 – harmful by inhalation
R37/38 – irritating to respiratory system & skin
R41 – Risk of serious damage to eyes
R43 – may cause sensitization by skin contact

Safety Phrases : S9 – keep container in a well ventilated place
S16 – keep away from sources of ignition – no smoking
S26 – in case of contact with eyes, rinse immediately with plenty of water & seek medical advice
S33 – take precautionary measures against static discharges
S36/37/39 – wear suitable protective clothing, gloves & eye/face protection

The data base known hitherto for classification & identification according to EEC guidelines is based on own studies.

SECTION 16 OTHER INFORMATION

FULL TEXT OF RISK PHRASES FOR INGREDIENTS INDICATED IN SECTION 2

Methyl Methacrylate : R11 – highly flammable
R37/38 – irritating to respiratory system & skin
R43 – may cause sensitization by skin contact

2-Hydroxyethyl Methacrylate : R36/38 – irritating to eyes & skin
R43 – may cause sensitization by skin contact

2,3-Epoxypropyl Methacrylate : R20/21/22 – harmful by inhalation, in contact with skin & if swallowed
R36/38 – irritating to eyes & skin
R43 – may cause sensitization by skin contact

Cumene Hydroperoxide : R7 – may cause fire
R23 – toxic by inhalation
R21/22 – harmful in contact with skin & if swallowed
R34 – causes burns
R48/20/22 – harmful : danger of serious damage to health by prolonged exposure through inhalation & if swallowed.
R51/53 – toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information & recommendation contained in this MSDS are based on the best knowledge available to us at the time of issue. However, no warranty is made, either expressed or implied, as to its correctness or completeness, or as to the results of reliance on this MSDS.