



Factor II, Incorporated

Inventing and Innovating...
(Information: 1.928.537.8387)
ONLINE ORDERING www.factor2.com

MATERIAL SAFETY DATA SHEET J-600 CLEAR POLYMER

Factor II Technology urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to the use and understanding of the data contained in this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) furnish this same information to each of its customers for the product; and (3) request its customers to notify their employees, customers and other users of the product of this information.

I. PRODUCT IDENTIFICATION

Trade Name/Product Code: J-600

PRODUCT NAME: Methacrylate Polymer

CHEMICAL NAME: Methacrylate Polymer

DOT/UN SHIPPING NAME: Synthetic Gum Resin Granular, Noibn, NMFC
item #46030, Schedule B 3906.90.600

FORMULA: Proprietary Formulation

FOR DECOMPOSITION PRODUCTS:

Methyl Methacrylate Monomer CAS #:80-62-6 60-100%

II. HAZARDOUS INGREDIENTS OF MIXTURES

HAZARDOUS COMPONENT	CAS REG. NO.	%	TLV	(UNITS)	PEL	(UNITS)	
Particulates NOC		NE	<99	10	mg/m ³	15	mg/m ³
Residual Monomers	NA	< 1	NA		NA		

III. PHYSICAL DATA

BOILING POINT:	NA	SPECIFIC GRAVITY (H ₂ O=1):	1.25
VAPOR PRESSURE:	NA	VAPOR DENSITY (AIR):	NA
SOLUBILITY IN WATER:	Insoluble	APPEARANCE AND ODOR:	Fine white powder. Faint odor
PERCENT VOLATILE W/W%	NA	EVAPORATION RATE (=1):	NA

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 304°C 580°F FLAMMABLE LIMIT, AIR VOL% LOWER: NA
UPPER: NA

AUTOIGNITION TEMPERATURE: Not Est.

EXTINGUISHER METHOD: Water, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES:

Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust into air



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producing a fire hazard and possible explosion hazard if exposed to ignition source.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Fire fighters should wear self-contained breathing apparatus.

V. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Eyes or skin (no absorption); inhalation of dusts

CARCINOGENICITY: None of the components of this material are listed by IARC, NTP, OSHA, or ACIGH as carcinogens.

TARGET ORGANS: For Polymer: None listed. For decomposition product, Methyl Methacrylate Monomer: Nose, liver and kidneys.

THRESHOLD LIMIT VALUE (TLV):
For Polymer: NE. For decomposition product, Methyl Methacrylate monomer: 100 ppm

PERMISSIBLE EXPOSURE LIMIT (PEL):
For polymer: NE. For decomposition product, Methyl Methacrylate monomer: 100 ppm

TOXICITY DATA:

For Polymer: None Listed. RTECS: Not listed. TSCA: Listed.
For decomposition product, Methyl Methacrylate Monomer: Ld₅₀ Acute Oral Rat: 7990 mg/kg.
LD₅₀ Acute Dermal Rabbit: 35,500 mg/kg. LC₅₀ Acute Inhalation Rat: >12,500 to 16,500 ppm for 0.5 hours. TC₁₀ Inhalation Human: 125ppm. . TC₁₀ Inhalation Human: 60mg/m³ Human Patch Test: Approximate one-third of subjects developed mild redness at the site of application. 20% showed sensitivity when tested 10 days later.

EFFECTS OF OVER EXPOSURE:

For Polymer: OSHA classifies this material as Particulates, Not otherwise classified. eyes, Skin and Respiratory Tract may be irritated by gross overexposure to Particulates, Not otherwise classified, no no matter how they are generated. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation. For decomposition product, Methyl Methacrylate Monomer: Liquid or high vapor concentration can irritate eyes, respiratory system and cause skin rashes. Prolonged exposure can lead to headaches, nausea, staggering gait, confusion, drowsiness and unconsciousness. Repeated and prolonged over exposure may cause permanent brain and nervous system damage, allergic skin rashes, eye corrosion and permanent injury, as well as changes in liver and kidney function or damage.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. Get medical help if discomfort persists.
EYES: Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
SKIN: Wash with soap and water. Get medical help if discomfort persists.
INGESTION: Rinse mouth out with water. Call doctor if amount was large.
CLOTHING: Wash thoroughly before reuse.
TREATMENT: Treat symptoms after thorough decontamination.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS) RATING:

HEALTH: 1
FLAMMABILITY: 1
REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: Gloves and Safety Glasses or Splash Goggles