

Material Safety Data Sheet

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TRANSACRYLATE Clear Acrylic Mounting Compound

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER: PACE Technologies
1802 W. Grant Rd. No. 102
Tucson, AZ 85745

INFORMATION PHONE: 520-882-6598

EMERGENCY PHONE: CHEMTREC 800-424-9300 (US) Day or night
International call collect CHEMTREC 202-483-7616

TRADE NAME: TRANSACRYLIC RESIN POWDER (TRANSPARENT)

CHEMICAL FAMILY: POLY (METHYL METHACRYLATE)

CAS NUMBER: 9011-14-7

HMIS RATING: HEALTH: 0 FLAMMABILITY: 1 REACTIVITY: 0

HAZARD RATING:

LEAST: 0 SLIGHT: 1 MODERATE: 2 HIGH: 3 EXTREME: 4

SECTION II COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NO.</u>	<u>%</u>
POLY (METHYL METHACRYLATE)	9011-14-7	>99

This material is not intended for applications involving elevated temperatures. However, if it is required to be used for processing at elevated temperatures, please contact the supplier for relevant Safety, Health and Environmental information.

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Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous.

SECTION III HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Solid granules. May evolve irritating fumes on processing or overheating.

Potential Health Effects:

EYE:	Dust may cause irritation.
SKIN:	Unlikely to cause skin irritation.
INGESTION:	Low oral toxicity.
INHALATION:	Unlikely to be hazardous but dust or vapors may cause irritation.
CHRONIC (CANCER) INFORMATION:	No evidence of adverse effects but adverse effects unlikely.
TERATOLOGY (BIRTH DEFECT) INFORMATION:	No information but adverse effects unlikely.
REPRODUCTIVE INFORMATION:	No information but adverse effects unlikely.

FIRST AID PROCEDURES:

INHALATION:	Remove patient from exposure. Obtain medical attention if ill effects occur.
SKIN CONTACT:	Wash skin with soap and water.

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EYE CONTACT:	Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart. Obtain medical attention.
INGESTION:	Do not induce vomiting. Wash out mouth with water. Obtain medical attention if ill effects occur.
FURTHER MEDICAL TREATMENT:	Symptomatic treatment and supportive therapy as indicated.

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE PROPERTIES:

FLASH POINT: 300°C (572°F)
METHOD: ASTM D1929

Combustible but not readily ignited. May form explosible dust clouds in air. May decompose if heated above 200 °C. Combustion or thermal decomposition will evolve toxic, irritant and flammable vapors.

INCOMPATIBLE MATERIALS: None known.

EXTINGUISHING MEDIA: Water spray, foam, dry powder or CO₂

FIRE FIGHTING PROTECTIVE EQUIPMENT: A self-contained breathing apparatus and full protective clothing should be worn in fire conditions.

SECTION V ACCIDENTAL RELEASE MEASURES

Caution - spillage's may be slippery. Sweep up and shovel into waste drums or plastic bags. Wash the spillage area with water.

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SECTION VI HANDLING AND STORAGE

STORAGE: Keep containers in a clean, cool and dry area away from heat sources. Natural ventilation is adequate

STORAGE TEMPERATURE: Ambient

HANDLING: Avoid contact with eyes. Avoid prolonged skin contact. Avoid inhalation of high concentrations of dusts

Process Hazards: Care should be taken to prevent burns from contact with hot material. All polymers degrade to some extent if over heated, an effect which increases with increasing temperature. It is therefore impossible to be precise about which substances may be evolved. However, it is only the minor components which vary substantially. The major components are given in the "STABILITY AND REACTIVITY" section

SECTION VII EXPOSURE CONTROLS/ PERSONAL PROTECTION

NORMAL HANDLING: The use of eye protection is recommended. An approved dust mask should be worn if exposure to high levels of dust are likely.

EXPOSURE GUIDELINES

Exposure Limits

PEL (OSHA): Particulates (Not Otherwise Classified) 15 mg/m³, 8 Hr. TWA, total dust 5 mg/m³, 8 Hr. TWA, respirable dust

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TLV (ACGIH): None Established

OTHER APPLICABLE EXPOSURE LIMITS

METHYL METHACRYLATE

PEL (OSHA): 100 ppm, 410 mg/m³, 8 Hr. TWA

TLV (ACGIH): 100 ppm, 410 mg/m³, 8 Hr. TWA

SECTION VIII PHYSICAL AND CHEMICAL PROPERTIES

% VOLATILES: <1%

SOLUBILITY IN WATER: NEGLIGIBLE

ODOR: TYPICAL "METHACRYLATE"

FORM: BEADS

SPECIFIC GRAVITY: NE

SECTION IX STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION: Methyl methacrylate.

HAZARDOUS REACTIONS: None known.

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HAZARDOUS POLYMERIZATION:

Will not polymerize.

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SECTION X TOXICOLOGICAL INFORMATION

INHALATION:	Unlikely to be hazardous by inhalation. High concentrations of dust may be irritant to the upper respiratory tract. High concentrations of vapor from hot operations may be harmful, cause irritation of the respiratory tract, and slight narcotic effects.
SKIN CONTACT:	Unlikely to cause skin irritation.
EYE CONTACT:	Dust may cause irritation.
INGESTION:	Low oral toxicity.
LONG TERM EXPOSURE:	This material has been in use for many years with no evidence of adverse effects.

SECTION XI ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION:	High tonnage material produced in partially contained systems. Solid with low volatility. The product is essentially insoluble in water. The product has low potential for bioaccumulation. The product is predicted to have low mobility in soil.
PERSISTENCE AND DEGRADATION:	The product is non-biodegradable in soil. There is no evidence of degradation in soil and water.
TOXICITY:	The product is predicted to have low toxicity to aquatic organisms.
EFFECT ON EFFLUENT TREATMENT:	The product is anticipated to be poorly removed in biological treatment processes.

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SECTION XII DISPOSAL CONSIDERATIONS

ACRYLIC COMPRESSION MOUNTING COMPOUND waste is considered to be non-hazardous. Clean scrap may be reprocessed. Incineration may be used to recover energy value. May be disposed of by landfill in accordance with local regulations. Certain packages are returnable. Please consult your local office for further details. Ensure that all packaging is disposed of safely.

SECTION XIII TRANSPORTATION INFORMATION

SHIPPING INFORMATION

D.O.T Not Regulated.

SECTION XIV REGULATORY INFORMATION

Not classified as hazardous to users or for transport.

U.S. Federal Regulations

TSCA Inventory Status: Reported/Included.

SECTION 313 SUPPLIER NOTIFICATION

This product contains no known toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Canadian Regulations:

DSL regulatory status: Included.

European Regulations:

EINECS: Polymer, monomer included, 201-297-1 (methyl methacrylate).

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SECTION XV OTHER INFORMATION

Additional Information

NA = NOT APPLICABLE

NE = NOT ESTABLISHED

STATE RIGHT-TO-KNOW LAWS

No substances on the state hazardous substances list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet, with the exceptions indicated. While we do not specifically analyze these products, or the raw materials used in their manufacture, for substances on various state hazardous substances lists, to the best of our knowledge the products on this Material Safety Data Sheet contain no such substances except for those specifically listed below:

SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 1% OR MORE (0.01% FOR SPECIAL HAZARDOUS SUBSTANCES): None Known.

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: None Known.

WARNING: SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: None Known.

SUBSTANCES ON THE NEW JERSEY WORKPLACE HAZARDOUS SUBSTANCE LIST PRESENT AT A CONCENTRATION OF 1% OR MORE (0.1% FOR SUBSTANCES IDENTIFIED AS CARCINOGENS, MUTAGENS OR TERATOGENS): None Known.

FOR COMPANY USE

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