

Extruded Acrylic

COMPANY IDENTIFICATION

Company Name: Plastic Trading International Inc.
Address: 3612 Ventura Dr. East, Lakeland FL. 33811
Phone.: 863-688-1983
Fax No.: 863-688-1034
Emergency Phone No.: same as above

PRODUCT IDENTIFICATION & INGREDIENT COMPOSITION

Product Name: ACRYLIC SHEET PMMA SHEET
Single or Multiple Product: Single product
Ingredient: Polymethacrylic acid methyl
Content: > 99 % (Additives <1 %)
CAS No.: 9011-14-7
Hazardous Impurities: None

HAZARD IDENTIFICATION

Health Hazards: None Hazards to Environment: None Special Hazards: None

FIRST AID MEASURES DURING EMERGENCY

Eye Contact: Do not rub eyes intruded by pellets or powder from sheet cutting. Flush eyes with clean water. Seek medical advice if unsuccessful.
Ingestion: Unlikely to happen; seek medical advice immediately if true.
Inhalation: In case of inhalation of smoke/gases from combustion, move subjects to fresh air and seek medical advice immediately.

FIRE-FIGHTING MEASURES

Fire-Fighting Procedure: Use self-contained breathing apparatus to avoid inhalation of toxic smoke/gases including MMA and CO (Carbon Monoxide).
Extinguishing Media: Water, Foam, Dry chemical powder

ACCIDENTAL RELEASE MEASURES Recycle if not contaminated.

Extruded Acrylic

HANDLING AND STORAGE

Handling:

Be aware of sharp edges and corners that can cause hand injuries. Protect against shocks from static electricity when rubbing the sheets or peeling off the protective coating or cover. Use personal protective equipment to avoid eye contact and/or inhalation of pellets/powder generated during handling. Stay away from fire and it is not flammable under room temperature. Avoid working long hours under temperature above 80°C or sheets will deform permanently.

Storage:

Store at a cool dry place away from heat, fire, water, and direct sunlight. Protective paper cover will become hard to peel after long term exposure to humidity, high temperature and/or direct sunlight.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Threshold Limit Value: Not determined
Ventilation Equipment: Required for ventilation of gas/fume and collection of pellets/powder during work.
Protective Equipment: Wear gloves and avoid sheeting slip off hands when moved.
Wear safety goggles / masks to avoid inhalation of pellets and powder.
Wear safety glasses to avoid eye contact with pellets and powder.

PHYSICAL and CHEMICAL PROPERTIES

Physical Form: Sheet
Odor: None
Specific Gravity: 1.19
Softening Point: Not well defined; above 100°C
Solubility: Insoluble in water; soluble in some organic solvents such as Benzene, Acetone, Methyl Ethyl Ketone(MEK), Pigment

STABILITY AND REACTIVITY

Flash Point: 480°C
Flammability: Flammable on contact with fire
Decomposition Temperature: Begins at approx. 300°C and will generate methyl methacrylate (a monomer), which is not highly toxic but will irritate eyes and respiratory tract, and can cause dizziness, nausea, and headache.
Explosion Threshold: None
Safety and Reactivity: Safe and stable under normal conditions.

Extruded Acrylic

TOXICOLOGICAL INFORMATION

This product does not cause negative physiological reaction, and it is not toxic under normal conditions. SGS approve cd ≤ 5 ppm, pb ≤ 100 ppm, Hg ≤ 5 ppm, Cr6+ ≤ 100 ppm, Cd ≤ 5 ppm PBBs ≤ 10 ppm, PBDEs ≤ 10 ppm

ECOLOGICAL INFORMATION

Not biodegradable; do not dispose of in ocean or any waterway.

DISPOSAL CONSIDERATIONS

Recycle, or dispose by controlled incineration if permitted by local laws and regulations. Incineration may generate toxic gases such as CO and MMA.

Polymethyl methacrylate (PMMA) in calorie when burned: 2.62×10^4 J/kg

This product can decompose readily into methyl methacrylate, a monomer.

TRANSPORT INFORMATION

Not classified; transportable on common carriers as allowed by local laws and regulations.

REGULATORY INFORMATION

Fire code: designated as combustible material; polymer resin

OTHER INFORMATION

The information provided in this MSDS was believed by Plastic Trading International Inc., to be accurate at the time of preparation and was prepared from available and/or known sources, information, and data believed to be reliable. This MSDS will be updated when new information becomes available to our company and is to be used for general information only. The use of the information in this MSDS for any other or specific purposes is solely the responsibility of the user and we should immediately be informed. Plastic Trading Internal Inc. makes no warranty, expressed or implied, concerning this product or the merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided by this company.