



Material Safety Data Sheet



Pro-Aid J301

01: Product Identification and Use

Supplier: Alpha Plastic Chemicals Ltd.
Telephone: +44 20 88 168 125
Product Name: PVC Processing Aid J301
Product Use: Processing Aid for Rigid PVC
Chemical Formula: (C₇H₁₂O₂·C₅H₈O₂)_x
Molecular Weight: Mixture
Chemical Family: Resin

02: Composition/Information on Ingredients

Component: Methyl Methacrylate, Butyl Acrylate Copolymer %: 97-99
CAS Registry Number: 25852-37-3
Individual residual monomers: None

03: Hazards Identification

Route of entry:

Skin contact: Prolonged or repeated skin contact can cause the following: Slight skin irritation.

Skin absorption: Not Available

Eye contact: Monomer vapours from heated product can cause a slight irritation.

Inhalation: Inhalation of dust can cause irritation of nose, throat and lungs. Inhalation of monomer vapours from a heated product can cause the irritation of nose, throat and lungs as well as nausea and headaches.

Ingestion: Not Available

Effects of acute exposure: See above

Effects of chronic exposure: See above

Inhalation, chronic: Not Available

04: First Aid Measures

Instructions:

Inhalation: Move subject to fresh air.

Eye contact: Flush eyes with clean water. Consult a physician if irritation persists.

Skin contact: Wash affected areas of skin thoroughly with soap and water. Consult a physician if irritation persists.

Ingestion: If swallowed, give 2 glasses of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

05: Fire Fighting Measures

Flammability: Not flammable.

Conditions: Will burn at elevated temperatures.

Means of extinction: Water spray, carbon dioxide, foam or dry chemical. Do not use solid stream of water.

Ignition temperature: 350°C

Upper explosion limit (% v): Not Available

Lower explosion limit (%v): Not Available

Hazardous combustion products: Oxides of carbon.

Explosion data: Avoid dispersion of dust into the air to reduce the potential explosion hazard.

Sensitivity to impact: No

Sensitivity to static discharge: Avoid accumulation of static electricity and possible formation of dust during transfer of powder into metallic installations. Provide grounding.

06: Accidental Release Measures

Leak/Spill: Appropriate protective equipment must be worn when handling a spill of this material. See section 8, *Exposure controls/personal protection*, for recommendations. If exposed to material during clean-up operations, see section 4, *First aid measures*, for actions to follow. Floor may be slippery; use care to avoid falling. Eliminate all ignition sources. Ventilate the spill area. Transfer spilled material to suitable containers for recovery or disposal.

07: Handling and Storage

Handling procedures and Equipment: Monomer vapours can be evolved when material is heated during processing operations. See section 8, *exposure controls/ personal protection*, for types of ventilation required. Static charges can accumulate; use bonding and grounding between transfer equipment and receiving containers and for any other operations capable of generating static electricity.

Storage needs: Material can burn; limit indoor storage to approved areas equipped with automatic sprinklers. Avoid all ignition sources. The maximum recommended storage temperature for this material is 45°C.

08: Exposure controls/Personal protection

Gloves: Any kinds of protective gloves

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Eye: Use safety glasses with side shields.

Clothing: Adequate protective clothes.

Engineering controls: Use local exhaust ventilation with a minimum capture velocity of 150 ft/min (0.75m/sec) at the point of dust or mist evolution. Refer to local regulations of industrial ventilation detailed information.

09: Physical and Chemical Properties

Physical state: White free-flowing powder

Odour: Slight acrylic

Odour threshold: Not Applicable

Vapour pressure (mmhg): Not Applicable

Vapour density (air=1): Not Applicable

Evaporation rate: Not Applicable

Boiling point: Not Applicable

PH: Not Applicable

Date: 1/11/09

Specific gravity (water=1): 0.30-0.50 g/cm³

Solubility in water (% w/w): Insoluble

10: Stability and Reactivity

Chemical stability:

Thermal decomposition temp: This material is considered stable. However, avoid temperature above 240°C, the onset of polymer decomposition.

Materials to avoid: acids, bases, oxidizing agents

Hazardous decomposition products: No decomposition if used as directed.

Polymerization: Product will not undergo polymerization.

11: Toxicological Information

Acute oral toxicity: LD50 rat Dose: > 5,000 mg/kg

Acute dermal toxicity: LD50 rabbit Dose: > 5,000 mg/kg

Acute inhalation toxicity: LC50 rat

Skin irritation: Rabbit

Result: Slight irritation

Eye irritation: Rabbit

Result: slight irritation

Further information: Information given is based on data obtained from similar substances.

12: Ecological Considerations

Environmental toxicity information: No applicable data.

13: Disposal Considerations

Waste disposal: For disposal, incinerate this material at a facility that complies with local, provincial, and state regulations.

14: Transport Information

This material is not hazardous for land, air and marine transportations.

15: Regulatory Information

The product quality is regulated by the standard listed below: Q/RFH 002-2005.

16: Other Information

The above data is based upon our knowledge and experience. The safety data sheet is only intended to give a description of products with regard to safety requirements. The data cannot be interpreted as a guarantee of properties.