



## Material Safety Data Sheet



### Pro-Aid J101

#### 01: Product Identification and Use

**Supplier:** Alpha Plastic Chemicals Ltd.  
**Telephone:** +44 20 88 168 125  
**Product Name:** PVC Processing Aid J101  
**Product Use:** Processing Aid for Rigid PVC  
**Chemical Formula:** (C<sub>7</sub>H<sub>12</sub>O<sub>2</sub>·C<sub>5</sub>H<sub>8</sub>O<sub>2</sub>)<sub>x</sub>  
**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 the 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/cm<sup>3</sup>

**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.