

MATERIAL SAFETY DATA SHEET

Updated 01/06/2016

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) name : Acrylic Powder
Other names : Black, White, Clear Plasti-set Powder
Recommended use : For repair of most plastics, fiberglass and carbon fibre in conjunction with liquid monomer
Supplier Information :
Trimfix Supplies
200 Hamilton Road, New Gisborne
Victoria, 3438
Phone:03 5428 3988
Fax:07 5428 4988
Email: sales@trimfixsupplies.com
Emergency Contact: 0418 362 482 or contact Poisons Information Centre 131126

SECTION 2 HAZARDS IDENTIFICATION

Hazard classification and statement of overall hazardous or dangerous nature : HAZARDOUS SUBSTANCE; DANGEROUS GOODS Class 3 Flammable Liquids PG II; Classified as Hazardous according to the criteria of NOHSC.

Risk phrase(s) :

Xi = Irritant

R36/37/38 = Irritating to eyes, respiratory system and skin.

R43 = May cause sensitisation by skin contact.

Safety phrase(s) :

S(2) = Keep out of reach of children

S3/7 = Keep in a cool place. Keep container tightly closed.

S22 = Do not breathe dust.

S24/25 = Avoid contact with skin and eyes.

S 36/37/38/39 = Wear suitable protective clothing. Wear suitable gloves. In case of insufficient ventilation, wear suitable respiratory equipment. Wear eye/face protection.

SUSDP Safety Directions: DO NOT SWALLOW. Avoid breathing vapour and avoid contact with the eyes and skin.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance Name	Synonyms	CAS Number	Proportion
Poly ethyl methacrylate	Acrylic Polymer	9003-42-3	60-100%
Dibenzoyl Peroxide	Benzoyl Peroxide	94-36-0	<3%

Contains other substances classified as non hazardous according to the criteria of NOHSC and not listed on HSIS.

SECTION 4 FIRST AID MEASURES

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label where applicable. If poisoning occurs seek the advice of a doctor or contact Poisons Information Centre 13 11 26.

Symptoms that may arise if the product is mishandled are:

ACUTE EFFECTS

SWALLOWED: Unlikely under normal circumstances but ingestion may result in irritation of the respiratory system at high doses.

EYE: Dust may cause irritation. High concentrations may cause eye damage.

SKIN: Repeated or prolonged exposure may cause irritation and allergic skin reaction.

INHALATION: Dust may cause irritation of the nose throat and lungs. This product may contain particulate, not otherwise classified (Nuisance dust).

CHRONIC EFFECTS

For Polymer: Classified as Particulates, Not Otherwise Classified. Eyes, skin and respiratory tract may be irritated by gross exposure to Particulates, Not Otherwise Classified, no matter how they are generated. Avoid inhalation of dust and keep dust out of eyes to prevent possible irritation.

For Decomposition Product: Methyl Methacrylate Monomer; Liquid or high vapour 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. For Benzoyl Peroxide: repeated or prolonged contact may cause skin sensitization.

FIRST AID MEASURES

Description of necessary measures according to routes of exposure :

SWALLOWED: Rinse mouth out with water. Seek medical assistance if the quantity ingested was large.

EYE: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance. If in eyes, wash out immediately with water and rinse eyes with running water for at least 15 minutes or until advised to stop by a doctor.

SKIN: Wash with soap & water. Remove contaminated clothing & wash before re-use. If irritation, swelling, redness or blistering occurs seek medical assistance. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

INHALATION: Remove from contaminated area. Apply artificial respiration if not breathing. Remove affected person from contaminated area. Avoid becoming a casualty. Seek medical attention or special treatment as required.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point: TAG Closed 580° F / 304° C
Flammable Limit: N/A
Auto-ignition Temperature: Not determined.

Extinguishing Media: Water, Carbon Dioxide, Dry Chemical Powder and Water Fog. Water maybe ineffective unless used as a fine spray or fog. Keep adjacent drums cool with water spray.

Avoid extinguishing methods that generate dust clouds. Water streams can disperse air, producing a fire hazard and possible explosion hazard

Hazards from combustion products : Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

Special protective precautions and equipment for fire fighters : Fire fighters to wear self contained breathing apparatus & full protective gear.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency procedures : Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Evacuate area. Use self contained breathing apparatus and protective clothing. Transfer to proper containers for disposal. Keep spills out of sewers & open bodies of water. Wear proper protective equipment. Prevent from entering drains, sewers, streams or other bodies of water. Wash down area with water. If contamination of sewers or waterways has occurred advise the local emergency services. Transfer spilled material into clean labeled container for disposal.

SECTION 7 HANDLING AND STORAGE

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label where applicable. Symptoms that may arise if the product is mishandled are:

Not Classified as Dangerous Goods for storage or transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Refer to State Regulations for storage or transport requirements.

Precautions for safe handling : Use only with adequate ventilation. Observe precautions found on label. Wash face and hands thoroughly with soap and water after handling and before eating drinking or smoking. Avoid repeated and prolonged contact with skin. Keep container closed when not in use. In case of accident follow spill or fire-fighting procedures above. Avoid contamination.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry place away from heat sparks and flames and out of direct sunlight. Keep container closed when not in use. Ground all metal containers when transferring. Use explosion proof equipment. Store away from sources of heat or ignition. Keep containers securely sealed and protected against physical damage.

Explosion Hazard: Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Biological limit values : Not known

Engineering controls : Use good local exhaust at processing equipment including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated. Use explosion proof equipment. Provide ventilation if necessary to control exposure levels below airborne exposure limits.

Personal protective equipment : Dust collectors are recommended for handling powder in bulk. Wear safety glasses and have eye flushing equipment immediately available. Minimise skin contamination by following good industrial practice. Wearing nitrile, neoprene, latex or other impermeable gloves is recommended. Avoid breathing dust and mist. Use dust mask or breathing apparatus.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance (colour, physical form, shape) : Fine white or pink powder

Odour : Faint odour in bulk

pH : not determined

Vapour Density (air=1) :NA

Vapour Pressure (20°C)	:NA
Boiling point/range	:NA
Melting point	:NA
Solubility in water	: Insoluble
Specific Gravity (20°C)	: NA
Viscosity	: NA
Flash Point (closed cup)	:TAG Closed 580° F / 304° c
Flammability Limits (%) LEL	:NA
Flammability Limits (%) UEL	:NA
Autoignition Temp (C)	:NA

SECTION 10 STABILITY AND REACTIVITY

Chemical stability	: Stable
Conditions to avoid	: Heating above 240° C / 464° F
Incompatible materials	: Strong reducing and oxidising agents
Hazardous decomposition products	: Methacrylate monomers
Hazardous reactions	: Will not occur

SECTION 11 TOXICOLOGICAL INFORMATION

Health effects from the likely routes of exposure : None of the components of the material are listed as Carcinogens. Signs and symptoms of exposure; liquid or high vapour concentration can irritate eyes and respiratory system and cause skin rashes. Prolonged exposure can lead to headaches, nausea, drowsiness and unconsciousness.

TOXICITY

LD50 oral (rat): 7990 mg/kg

LC50 inhalation (rat): >12,500 to 16,500 ppm for 0.5 hours

LD50 dermal (rabbit): 35,500 mg/kg

Irritation Skin: Mild

Irritation eyes: Mild

There is no information available for Sensitisation, Mutagenicity and Sub Chronic Toxicity.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity : Flathead minnows and goldfish TLm24: 420ppm; Bluegills TLm24: 368 ppm

Persistence and degradability : Not known

Mobility : Not known

Do not allow to enter drinking water supplies, wastewater or soil.

SECTION 13 DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority.

SECTION 14 TRANSPORT INFORMATION

UN Number : NA

UN Proper Shipping Name : Non regulated material; Poly ethyl methacrylate

Class and subsidiary risk : NA

Packing Group : NA


Special precautions for user : See above

Hazchem Code : NA

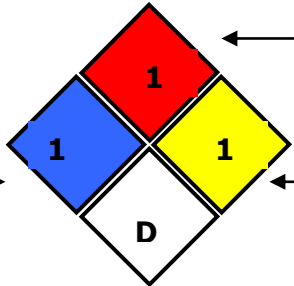
SECTION 15 REGULATORY INFORMATION

Regulatory status: Not Classified as a Scheduled poison according to the criteria of the SUSDP. Not Classified as Hazardous according to the criteria of the NOHSC.

SECTION 16 OTHER INFORMATION

<p>EINECS: European Inventory:</p> 	<p>Acrylic Powder</p> <ul style="list-style-type: none"> • HAZARD SYMBOLS: Xi: Irritant • RISK PHRASES: R36/37/38: Irritating to eyes, respiratory system and skin • SAFETY PHRASES: S18: Handle and open container with care, S22: do not breath dust, S24/25: avoid contact with skin and eyes, S38: in case of insufficient ventilation, wear suitable respiratory equipment.
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Hazard Rating System (Pictograms)

<p>NFPA:</p>  <p>Health →</p> <p>← Flammability</p> <p>← Reactivity</p> <ul style="list-style-type: none"> • Respiratory protection may be necessary depending on conditions of use. • Refer to Section 8 of this MSDS for respiratory protection guidelines. 	<p>HMIS:</p> <table border="1"> <tr> <td style="text-align: center;">1</td> <td style="background-color: #0070C0; color: white;">Health</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="background-color: #FF0000; color: white;">Flammability</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="background-color: #FFFF00; color: black;">Reactivity</td> </tr> <tr> <td colspan="2" style="text-align: center;">*D</td> </tr> </table>	1	Health	1	Flammability	1	Reactivity	*D	
1	Health								
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OSHA PEL for nuisance dust: 15 mg/m³ (total dust) 5 mg/m³ (respirable dust)

ACGIH PEL for nuisance dust: 10 mg/m³

Date of preparation or last revision of this MSDS : January, 2013

CONTACT POINT: +61 354283988

EMERGENCY: +61 (0)418 362 482

This MSDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request

End of MSDS Acrylic Powder