

Material Safety Data Sheet

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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Microtuff® Polyethylene Powders, All Grades
Company Name	Price Plastics Pty Ltd
Address	515 Hammond Road Dandenong Vic 3175
Telephone Number	(03) 8792 5300
Fax Number	(03) 9768 2536
Product Use	Polyethylene powders for use in rotational moulding applications

2. HAZARDS IDENTIFICATION

Hazard Classification	Non-Hazardous Substance Non-Hazardous Goods
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3. COMPOSITION

Chemical Characterization	Polyethylene Powder, containing pigments and additives	
Ingredients	<u>Name</u>	<u>Content</u>
	Polyethylene + Additives	96-100 %
	Pigment Masterbatch	0-4 %

4. FIRST AID MEASURES

Inhalation	Remove to fresh air. Seek medical advice if symptoms persist.
Ingestion	Rinse mouth with water. Give plenty of water to drink. Do not induce vomiting. Seek medical advice if symptoms persist.
Skin contact	If irritation occurs, wash contact area with soap and water. Molten material will adhere to skin and cause burns. Cool material as quickly as possible with water. Do not remove material or clothing from skin as this may result in further damage to the skin - see a physician for removal of the material and treatment of the burn.
Eye	If powder gets in the eyes, wash with copious amounts of water, holding eyelids open. Treat as skin burn if in contact with molten material. In all cases of eye contamination it is a sensible precaution to seek medical advice.
First Aid Facilities	Eye wash and normal washroom facilities
Advice to Doctor	Treat symptomatically. Advice as per above information.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Carbon dioxide, foam, dry chemical, water fog or fine water spray
Special Fire Fighting Procedures	Fire fighters must use self contained breathing apparatus
Unusual Fire and Explosion Hazards	Build up of airborne dust may cause a dust explosion
Hazchem Code	n.a.
Decomposition Temp.	> 250°C

6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal	Dampen down to prevent spread by wind Shovel or sweep up spilled material and dispose of or recycle
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Disposal of recovered material should conform to local regulations
If large quantities of this material enter the waterways, contact the
Environmental Protection Authority or your local Waste Management
Authority.
NOTE: Spilled powder on surfaces and floors will create slip hazards and
should be swept up immediately.

7. HANDLING AND STORAGE

Handling	Ensure good ventilation/exhaust at workplace. Prevent formation of dust. Avoid contact with eyes and skin. Avoid inhalation of dust. Take precautionary measures against static discharge.
Storage	Store in cool, dry area

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Good general ventilation is required under ordinary conditions of use. Avoid inhaling dusts and fumes generated during use. Use with local exhaust ventilation during processing.
Personal Protective Equipment	Thermal resistant gloves should be worn when handling hot materials. Use safety glasses. Under dusty conditions, approved respirators to As/NZS1715 and AS/NZS1716 should be worn to avoid exposure by inhalation.
Other Exposure Information	No exposure standard has been published by the NOHSC. A limit of 10 mg/m ³ for nuisance dusts is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Appearance	Natural or coloured powder
Decomposition Temp.	> 250°C
Melting Point	100-140°C
Boiling Point	n.a.
Vapour Pressure	n.a.
Flash Point	n.a.
Flammability	Combustible solid. May form flammable dust clouds in air. Polymer may burn in presence of extreme heat and oxygen. Avoid extreme heat.
Auto Ignition Temp.	Approx. 350°C
Lower Flammability Limit	n.a.
Other Information	Density (range) 0.930 – 0.945 Water solubility: negligible

10. STABILITY AND REACTIVITY

Stability	Thermal, light, etc: stable
Conditions to avoid	Extreme heat
Incompatibility	Strong oxidising agents
Hazardous decomposition products	Carbon monoxide, aldehydes, acetic acid, ketones, acrolein, ethane, methane

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Not available
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Inhalation	Inhalation of dust may cause irritation of nose and throat. Fumes given off during processing can cause respiratory irritation, headache and nausea.
Ingestion	No known effects/minimal toxicity. May cause choking if swallowed. Large amounts may cause nausea and vomiting.
Skin	Prolonged skin contact may result in irritational rash. Molten product may cause burns.
Eyes	Molten product may cause burns. Fines and powder may scratch eye surfaces and cause mechanical irritation. Fumes given off during processing may cause eye irritation.
Chronic Effects	None known.

12. ECOLOGICAL INFORMATION

Environmental Protection No data available

13. DISPOSAL CONSIDERATIONS

Disposal Spilled or waste material must be disposed of in accordance with the applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

U.N. Number n.a.
Proper Shipping Name n.a.
DG Class n.a.
Hazchem Code n.a.
Packing Group n.a.
Storage and Transport Keep containers closed and check regularly for spills. The products listed in this MSDS are not classified as dangerous goods in the Australian Dangerous Goods Code.

15. REGULATORY INFORMATION

Poisons Schedule Not scheduled
Packaging and Labelling No special requirements

16. OTHER INFORMATION

Manufacturers Advice Conveying lines and equipment in material handling systems should be grounded to eliminate or reduce the build up of static electricity. Avoid sources of ignition where fines may occur.

Other Information Since the specific conditions of use of this product are outside the control of the supplier, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is correct to the best of our knowledge and information at the data of publication. The information relates only to the specific product(s) designated and may not be valid for the product if used in combination with other products or any processes other than those specified in the text.

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