

SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name : Powermix
 Product Code : PM 680
 Use/Description of Product : Two Part Adhesive paste green and Black in a clear plastic tube specifically designed for general usage on metal to metal Or Metal To Plastic medium to Heavy duty Bonding Automotive mechanical and Bodyshop Specified uses
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients					
Substance Name	EINECS No.	CAS No.	% Conc Range	Hazard Symbols	Risk Phrases
Methylmethacrylate	201-297-1	80-62-6	50 - 70	F, Xi, Sens	11,37/38,43
Hydroxy alkyl 2 methacrylate	203-441-9	106-91-2	1 - 10	Xi, Sens, N	36/38.42.50
Epoxypropyl methacrylate	201-524-7	80 - 15 -9	1 - 10	O,Xn,T,C,Xn, N	7,21/22,23,34, 48/20/22,51/53
A,A-Dimethylbenzyl Hydroperoxide	212-782-2	868-77-9	1 - 10	Xi, Sens	36/38,43
2-Hydroxyethyl Methacrylate	201-204-4	79-41-4	1 -1 0	Xn,C	21/22,35

4. FIRST AID MEASURES (SYMPTOMS) part 1

Skin Contact : There may be irritation at the site of contact.
 Eye Contact : There may be irritation and/or redness. The eyes may water profusely.
 Ingestion : There may be soreness and redness of the mouth and throat..
 Inhalation : there may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4. FIRST AID MEASURES (ACTIONS) part 2

Skin Contact

Remove all contaminated clothing and footwear immediately unless stuck to the skin. Wash immediately in plenty of soap and water.

Eye Contact

Bathe the eye with running water for 15 minutes. Consult a Doctor

Ingestion

Wash out mouth, consult a Doctor

Inhalation

Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a Doctor

5. FIRE-FIGHTING MEASURES

- Extinguishing Media : Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical mixture. Use water spray to cool containers.
- Protection of Fire-fighters : wear self contained breathing apparatus. Wear protective Clothing to prevent contact with skin and eyes.
- Exposure Hazards : Highly flammable. Emits toxic fumes in combustion. Forms Explosive vapour-air mixture. Vapour may travel a Considerably distance to source of ignition and flash back.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Refer to section 8 of SDS for personal protection details. If outside, do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access by unauthorised personnel. Turn leaking containers leak-side up to prevent escape of liquid. Eliminate all sources of ignition.

Environmental Precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up Procedures

Absorb into dry sand/earth. Transfer to closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

Handling requirements

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non sparking tools.

Storage Conditions

Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients :

Substance Name	Occupational Exposure Limit				Notation
	15 min WEL		8 hr WEL		
	ppm	Mg/m3	ppm	Mg/m3	
Methyl Methacrylate		208		416	
Methacrylic Acid		72		143	

Engineering Measures

Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory Protection

Self contained breathing apparatus must be available in case of emergency.

Hand Protection

Protective gloves

Eye protection

Use chemical proof glasses to protect against liquid splashes. Ensure eye bath is to hand.

Skin Protection

Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Paste
Colour	:	Two part Black and green
Odour	:	Characteristic
Solubility in Water	:	Not soluble; reacts
Flash Point C	:	> 15 deg C

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under the recommended storage and handling conditions (see section 7).

Conditions to avoid:

Heat. Hot surfaces. Sources of ignition. Flames

Materials to avoid

Strong oxidising agents. Strong acids.

Haz. Decomp. Products

In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Methyl Methacrylate	IPR RAT LD50 1328 mg/kg. ORL RAT LD50 3625 mg/kg ORL RAT LD50 7872 mg/kg
2,3-Epoxypropyl Methacrylate	ORL MUS LD50 390 mg/kg ORL RAT LD50 500 mg/kg
A,A-Dimethylbenzyl Hydroperoxide	ORL MUS LDLO 5GMkg ORL RAT LD50 382 mg/kg SCU RAT LD50 382 mg/kg
2-Hydroxethyl Methacrylate	IPR RAT LD50 1250 mg/kg ORL MUS LD50 3275 mg/kg ORL RAT LD50 5050 mg/kg
Methacrylic Acid	ORL MUS LD50 1250 mg/kg ORL RAT LD50 1600 mg/kg
Routes of exposure:	Refer to section 4 of SDS for routes of exposure and corresponding Symptoms.

12. ECOLOGICAL INFORMATION

Mobility	:	Readily absorbed in soil
Persistence/Mobility	:	Biodegradable
Bioaccumulation	:	No bioaccumulation potential
Other Adverse Effects	:	Negligible ecotoxicity

13. DISPOSAL INFORMATION

NB:

The users attention is drawn to the possible existence of regional or national regulation regarding disposal.

14. TRANSPORT INFORMATION

ADR/RID	UN NO 2920	ADR Class:	8
	Packing Group II	Classification code	CF1
Shipping Name	Corrosive liquid, flammable, N.O.S (2-methylpropenoic acid; Methyl methacrylate)		
Labelling	8+ 3	Hazard ID No:	83
Marine Pollutant		Subsidiary risk	3

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information & Packaging) Regulations as follows:

**CORROSIVE**

Classifications	:	Highly flammable, corrosive
Risk Phrases	:	11 Highly flammable 34 Causes burns 37 irritating to respiratory system 43 May cause sensitivity by skin contact
Safety Phrases	:	16 Keep away from sources of ignition – No smoking. 23 Do not breathe fumes 26 In case of contact with eyes, rinse immediately with plenty of water and consult a Doctor. 36/37/39 Wear suitable protective clothing, gloves and eye/face protection 45 In case of accident or illness request medical attention. 51 Use only in well ventilated areas.

Note:

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. ADDITIONAL INFORMATION

Risk Phrases used in s2	R11	Highly flammable
	R37/38	Irritating to respiratory system and skin
	R43	May cause sensitisation by skin contact
	R36/38	Irritating to eyes and skin
	R50	Very toxic to aquatic organisms
	R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
	R7	May cause fire
	R34	Causes burns
	R48/20/22	Harmful: danger of serious damage to health by Prolonged exposure through inhalation and if Swallowed.
	R51/53	Toxic to aquatic organisms. May cause long term Adverse effects in the aquatic environment.

Legal Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.