

MATERIAL SAFETY DATA SHEET



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Miracle Glaze
Recommended Use: Automotive tyre rejuvenator.
Supplier: Auto Klene Solutions
ABN: 51 417 164 855
Street Address: 1/83 Merrindale Drive
Croydon, Victoria
Australia
Phone Number: +61 3 8761 1900
Facsimile: +61 3 8761 1955
24 Hour Emergency: Poisons Information Centre 131 126

2. HAZARDS IDENTIFICATION

This material is Hazardous according to criteria of NOHSC; HAZARDOUS SUBSTANCE.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

UN Number: 1993
DG Class: 3
Packaging Group: II
Hazchem Code: 3[Y]E

Risk Phrases:
R11 - Highly flammable
XN - Harmful
R48 / 20 - Harmful, danger of serious damage to health by prolonged exposure through inhalation
R65 - Harmful may cause lung damage if swallowed

Safety Phrases:
S9 - Keep container in a well ventilated place
S16 - Keep away from source of ignition – No smoking
S29 - Do not empty into drains
S51 - Use only in well ventilated areas
S24/25 - Avoid contact with skin and eyes

Poisons Schedule: S5

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components/CAS Number	Proportion	Risk Phrases
Polydimethylsiloxane/63148-62-9	10-<30% w/w	
Petroleum Distillate/64742-49-0	>60% w/w	

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4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766)

- Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek medical advice.
- Skin Contact:** Remove contaminated clothing and shoes and wash affected areas with plenty of soap and water. If irritation persists, seek medical attention. Decontaminate clothing before re-use or discard.
- Eye Contact:** Immediately irrigate continuously by holding the eyes open and washing with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by lifting the upper and lower lids. Irrigate for at least 20 minutes. Seek medical advice.
- Ingestion:** Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs spontaneously give further water. DO NOT induce vomiting. Seek medical attention.
- Medical attention And special Treatment:** Consult Poisons Information Centre.

5. FIRE FIGHTING MEASURES

- Specific Hazards:** Liquid and vapour are flammable
Moderate fire hazard when exposed to heat or flame.
- Vapour forms an explosive mixture with air.
Moderate explosion hazard when exposed to heat or flame.
Vapour may travel a considerable distance to source of ignition.
Heating may cause expansion or decomposition leading to violent rupture of containers.
- Fire fighting Info:** Do not use water in a jet
Use water spray to cool adjacent containers or structures. For fires in enclosed areas wear self-contained breathing apparatus and protective clothing. Prevent run off from fire control or dilution from entering waterways, sewers or drinking water supplies.
- Extinguishing Media:** Use Foam, water spray or dry chemical powder, carbon dioxide.
- Hazchem Code:** 3[Y]E

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6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:	Increase ventilation. Shut off all possible sources of ignition. Wear protective equipment to prevent skin and eye contamination and Inhalation of vapours.
Methods and materials for Containment and clean up:	Clear area of all personnel. Alert Fire Brigade and tell them location and nature of hazard. Control personal contact by using protective equipment as required. Prevent spillage from entering drains and waterways. Collect recoverable product into labeled containers for recycling. Absorb remaining product with sand, earth or vermiculite and place in a appropriate containers for disposal. Wash area and prevent run off into drains or waterways.

7. HANDLING AND STORAGE

Conditions for safe storage:	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from flammables, oxidizing agents, corrosives and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storing and handling recommendations.
Precautions for safe handling:	Avoid skin and eye contact and breathing in vapour. Only use in well ventilated areas. Extinguish all naked flames. Do not smoke. Remove ignition sources. Avoid sparks. Vapours are heavier than air and may travel a considerable distance to an ignition source and flashback. Take precautions against static electricity discharges which may cause fire. Ground (earth) all equipment to ensure electrical continuity when pumping or transferring liquid. Do not empty into drains.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

Not specified by the National Occupational Health and Safety Commission (Worksafe Australia). If oil mist is generated, exposure limit: 5mg/m³, (TWA), TWA is the concentration of exposure over an eight hour day, for a five day working period. 10mg/ m³ (STEL), STEL is short term exposure should not be exceeded at any time during an eight hour working day.

PERSONAL PROTECTION

EYE

- Safety glasses with side shields.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].

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HANDS/FEET

Wear chemical protective gloves, eg. PVC.

RESPIRATORY

If airborne concentrations are likely to exceed the Exposure Standard, wear approved organic vapour respiratory protection (AS/NZS 1715 and 1716). In high vapour concentrations, wear an air-supplied hood. Safety showers with eyewash should be provided in all areas where product is handled. No respiratory protection required if engineering, storage and handling controls are adequate.

OTHER

- Overalls.
- Barrier cream.
- Eyewash unit.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information consult your Occupational Health and Safety Advisor.

ENGINEERING CONTROLS

General (mechanical) room ventilation plus special local exhaust ventilation at points where vapour could escape to the work environment. All ventilation equipment must be fitted with flame and explosion proof electrical fittings.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Clear
Odour:	Solvent
Solubility:	Insoluble
Specific Gravity:	0.7 @ 20°C
Relative Vapour Density (air=1):	N Av
Vapour Pressure (20°C):	N Av
Flash Point (°C):	35°C
Flammability Limits (%):	LEL: 1, UEL 6
Autoignition Temperature (°C):	N Av
% Volatile by Weight:	80
Solubility in water (g/L):	Insoluble
Melting Point/Range (°C):	N App
Boiling Point/Range (°C):	>80
Decomposition Point (°C):	N Av
pH:	N App
Viscosity:	N Av
Evaporation Rate:	N Av

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable, hazardous polymerization will not occur.
Conditions to avoid:	Heat, sparks, flames, build up of static electricity.
Incompatible materials:	Strong oxidizing agents

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Hazardous decomposition Carbon monoxide.
Products:

11. TOXICOLOGICAL INFORMATION

- Ingestion:** Relatively non-toxic unless aspiration occurs.
- Eye contact:** A minor eye irritant.
- Skin contact:** Not expected to cause any skin irritation.
- Inhalation:** Avoid prolonged and repeated exposure to oil mist to reduce risk of chronic lung inflammation. Shortness of breath and cough are the most common symptoms. There are low grade chronic localised tissue reactions. **WARNING:** Intentional misuse by concentrating/inhaling contents may be lethal. If exposure to highly concentrated solvent atmosphere is prolonged this may lead to narcosis, unconsciousness, even coma and possible death.
- Long Term Effects:** N Av
- Toxicological Data:** N Av

12. ECOLOGICAL INFORMATION

Ecotoxicity: N Av

13. DISPOSAL CONSIDERATIONS

- Minor spills:** Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable labeled container for waste disposal.
- Disposal:** Avoid puncturing can even when empty. Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Authority for disposal. Recycle containers wherever possible, otherwise dispose of in an authorised landfill.

14. TRANSPORT INFORMATION

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15. REGULATORY INFORMATION

Risk Phrase: **R11** Highly flammable
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Safety Phrase: **S9** - Keep container in a well ventilated place
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16. OTHER INFORMATION

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Auto Klene cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.