

MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: FIBREGLASS RESIN CATALYST

Company: Treadwell Group Pty Ltd ABN: 40 140 529 200
Address: 58 Deeds Road, North Plympton, South Australia 5037
Phone: 1800 246 800 Fax: 1300 763 521
Poisons Information Centre: Australia 131 126 New Zealand 0800 764 766

Other Names: Organic peroxide in dimethyl phthalate carrier

Manufacturer's Product code: F-EX-SLRK-500 [P2]
F-EX-SLRK-1000 [P2]

Recommended Use: Oxidising agent for polymer initialisation systems.

Section 2: HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

Symbols: Xn – Harmful

Risk Phrases: R7 – May cause fire
R22 – Harmful if swallowed
R34 – Causes burns
R41 – Risk of serious damage to eyes

Safety Phrases: S2 – Keep out of the reach of children
S14 – Keep away from reducing agents (e.g. amines), acids, alkalis and heavy metal compounds (e.g. accelerators, driers and metal soaps).
S20 – When using, do not eat or drink
S24/25 – Avoid contact with skin and eyes
S28 – After contact with skin, wash with plenty of soap and water.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection
S45 – In case of accident or if you feel unwell, seek medical advice immediately (show label if possible)
S50 – Do not mix with peroxide-accelerators or reducing agents.

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SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous Ingredients		
Chemical Entity	CAS Number	Proportion (%)
Methyl Ethyl Ketone Peroxide	1338-23-4	33
Dimethylphthalate	13-11-3	65
Methyl Ethyl Ketone	78-93-3	1

SECTION 4: FIRST AID MEASURES

FIRST AID TREATMENT

- Swallowed:** If swallowed, do NOT induce vomiting. Wash mouth out with water and contact a Poison Information centre or a doctor.
- Eye:** If in eyes, hold eyes open, flood with water for at least 30 minutes. Neutral saline may be used as soon as is available. DO NOT INTERRUPT FLUSHING. Take care not to rinse contaminated water into the unaffected eye or face. If irritation persists, repeat flushing. Seek immediate medical assistance.
- Skin:** If skin contact occurs, quickly blot away excess liquid and flood with water for at least 30 minutes. DO NOT INTERRUPT FLUSHING. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts). If irritation persists, repeat flushing. Seek immediate medical assistance.
- Inhaled:** Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.
- First Aid Facilities:** Portable water should be available to rinse eyes or skin. Provide eye baths and safety showers.
- Advice to Doctor:** Treat symptomatically
- Additional information:** None

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SECTION 5: FIRE FIGHTING MEASURES

Specific Hazards: Organic peroxide. Risk of explosion from this product if commercial quantities are involved in a fire. May form flammable vapour mixture with air. Avoid all ignition sources. Flameproof equipment necessary in area where chemical is being used. Nearby equipment must be earthed. Vapours may travel considerable distances to source of ignition and flashback. Vapours may accumulate in low or confined areas.

Hazards from combustion products: Carbon monoxide and/or carbon dioxide may be evolved and other toxic decomposition products.

Fire Fighting Media and Instructions: Heating can cause expansion or decomposition leading to violent rupture of containers. Use water fog or spray, foam, dry agent.

Additional Information: Hazchem code 2WE.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations.

Spills and Disposal: Shut off all sources of ignition. Increase ventilation. Clear area of all unprotected personnel. Stop leak if safe to do so. Absorb with dry earth, sand or other non-combustible and inert material. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Methods and Materials for Containment and Clean Up Procedures: For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Use an appropriate absorbent material and dispose of safely. For larger spills (>1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Retain as contaminated waste. Allow and residues to evaporate or use an appropriate absorbent material and dispose of safely.

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SECTION 7: HANDLING AND STORAGE

- Precautions for Safe Handling and Storage:** Avoid breathing of or contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants. Keep exposure to this product to a minimum.
- Dispensing:** Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.
- Flammability:** Combustible.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Standards:** National Occupational Health & Safety Commission (NOHSC) Worksafe Australia has set an exposure standard for:
Methyl Ethyl Ketone Peroxide of 1.5mg/m³ (0.2ppm) TWA (8hr)
Dimethylphthalate of 5mg/m³ TWA (8hr)
Methyl Ethyl Ketone of 445mg/m³ (150ppm) TWA (8hr) and 890mg/m³ (300ppm) STEL
- Biological Limit Values:** No biological limit allocated.
- Personal Protective Equipment**
- Respiratory Protection:** If inhalation risk exists an approved organic vapour respirator (AS/NZS 1715 and 1716) should be worn.
- Hand Protection:** Use solvent resistant gloves (nitrile, neoprene, butyl rubber or Teflon).
- Eye Protection:** Eyes should be completely protected with splash resistant goggles with face shield. All surrounding skin should be covered.

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Protective Clothing: Use chemical resistant glove/gauntlets, boots and apron. Ensure that all skin areas are completely covered using impermeable gloves, overalls, hair covering and face shield.

Engineering Controls: Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

Appearance	Colourless Clear Liquid
Odour	Faint
pH:	N/A
Vapour Pressure (mmHg @ 20 °C):	375
Vapour Density (air = 1)	> 1 @ 15 Deg C
Boiling Point (°C):	Decomposes
Freezing/Melting Point (°C):	Becomes turbid below -10
Solubility in Water	Slightly soluble (1%)
Specific Gravity (g/ml @ 15 °C):	1.18
Flashpoint (°C):	68 (Closed cup)
Flammability Limits (%):	No data
Auto Ignition Temperature (°C):	No data
Percent Volatiles	0

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: This product is unlikely to react or decompose under normal storage conditions.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources. Keep in a cool place, preferably below 30 deg C.

Incompatible Materials: Reducing agents, acids, alkalis, bases, heavy metal compounds (eg accelerators, driers and metal soaps).

Hazardous Decomposition Products: Burning can produce carbon monoxide, carbon dioxide, smoke. Also formic, acetic and propanoic acids, and methyl ethyl ketone.

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SECTION 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute

Swallowed:

Swallowing may result in irritation of the gastrointestinal tract, nausea, headache and vomiting.

Eye:

Corrosive to eyes, will cause severe pain and corrosion of the eye and surrounding facial tissues. Unless exposure is quickly treated, permanent blindness and facial scarring is likely.

Skin:

Product is corrosive to the skin. Capable of causing moderate to severe burns with ulceration. Can penetrate deeper layers of skin, resulting in third degree burns. Corrosion will continue until product is removed or neutralised. Severity depends on concentration and duration of exposure. Burns may not be immediately painful; the onset of which may be minutes to hours.

Inhaled:

Unlikely to cause discomfort or irritation.

Chronic:

No data available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

No data.

Mobility:

No data.

**Persistence/
degradability:**

Insufficient data to be sure of status.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:

Ensure waste disposal conforms to local waste disposal regulations.

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SECTION 14: TRANSPORT INFORMATION

UN Number:	3105	Proper Shipping Name:	(ORGANIC PEROXIDE TYPE D, LIQUID)
Class:	5.2	Subsidiary Risk:	None allocated
Packing Group:	III	Hazchem Code:	2WE
Special Precautions for User:	NONE		

SECTION 15: REGULATORY INFORMATION

Poisons Schedule :	5
AICS :	Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010) :	32

SECTION 16: OTHER INFORMATION

Further information may be obtained by contacting Treadwell Group on **1800 246 800**

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.