



MATERIAL SAFETY DATA SHEET

PRODUCT: POLYESTER CATALYST

IDENTIFICATION

CLASSIFICATION	:	HAZARDOUS. According to criteria of Worksafe Australia.
Product Name	:	POLYESTER CATALYST
Other Names	:	ORGANIC PEROXIDE TYPE D
Manufacturers Product Code	:	9400
UN Number	:	3105
Correct Shipping Name	:	LIQUID, ORGANIC PEROXIDE TYPE D
Dangerous Goods Class & Subsidiary Risk	:	5.2
Hazchem Code	:	3[Y] PG III
Poison Schedule Number	:	5 (FED) 5 (ALL STATES)
Use	:	Catalyst/Curing Agent for Unsaturated Polyester Resins.

PHYSICAL DESCRIPTION/PROPERTIES

Appearance	:	Clear, Colourless Liquid with a faint odour.
Boiling Point °C	:	Product decomposes
Vapour Pressure 25°C	:	Not determined
Specific Gravity	:	1.16
Flashpoint °C	:	>100
Flammability limits	:	Not determined
Solubility in water	:	Partly miscible with water
PH	:	Weak Acid
Autoignition Temp.	:	220 degrees C.

INGREDIENTS

Chemical Entity	CAS Number	Proportions
Methyl Ethyl Ketone Peroxide	1338-23-4	36%
Dimethyl Phthalate	131-11-3	60%
Methyl Ethyl Ketone	78-93-3	1%

HEALTH HAZARD INFORMATION

Health Effect	:	Product is an organic peroxide and should be handled with EXTREME care. Avoid inhalation, ingestion, eye or skin contact. Follow label instruction and Safety Data Information at all times.
Swallowed	:	Harmful if swallowed. Moderately toxic upon ingestion.
Eye	:	Risk of <u>SERIOUS DAMAGE TO EYES</u>
Skin	:	Causes burns
Inhaled	:	Can be harmful on inhalation of vapour.
Chronic	:	No Data.

FIRST AID

Swallowed	:	Seek IMMEDIATE medical attention. If victim is conscious, rinse mouth with water. Give plenty of water to drink. Do not induce vomiting. Depending on quantity consumed, stomach wash may be necessary. Contact Poisons Information Centre on 131 126.
Eye	:	IMMEDIATELY irrigate with copious quantity of water for at least 15 minutes with eye lids held open. Seek Medical Attention. Recommend consulting Eye Specialist.
Skin	:	Wash with plenty of soap and water. Remove contaminated clothes and shoes. Wash clothes before re-use. Seek Medical Advice.
Inhaled	:	Remove victim to fresh air. Keep warm and at rest, loosen clothing. Seek Medical Attention.
First Aid facilities	:	Call a physician IMMEDIATELY . Eye wash fountains and safety showers should be available at the place of use of this product.
Advice to Doctor	:	No additional information available.
Toxicity Data	:	Methyl Ethyl Acetone Peroxide 33%. Acute toxicity Oral LD50 Rats: 1017 mg/kg (MEKP 40%) Dermal LD50 Rats : 4000mg/kg (MEKP 40%) Inhalation LC50 rat - 17mg/L 4 hours exposure time ((MEKP 40%) Irritation - skin corrosive (33%) Eye - severely irritating/corrosive (MEKP 40%)

PRECAUTION FOR USE

Exposure standards	:	Methyl Ethyl Ketone Peroxide - OES-STEL 1.5 mg/M3 Methyl Ethyl Ketone - OES-TWA 590.0mg/M3 - OES-STEL 885.0mg/M3
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Engineering controls	:	Ensure good ventilation and local exhaustion of working area. Explosion proof ventilation recommended.
Personal Protection	:	Do not breath vapour. Work only in well ventilated areas. Wear suitable gloves either neoprene or synthetic rubber. Wear eye and face protection. A face shield is preferred over goggles. Wear suitable protective clothing and gloves. Launder contaminated clothes before use.
Flammability	:	No Data

SAFE HANDLING INFORMATION

Storage and Transport	:	Store in a cool well ventilated place, away from sparks ignition and heat. Avoid all forms of contamination. Do not pipette by mouth. Do not inhale. Do not bring this product in direct contact with Accelerators or reducing agents. Store away from Amines, Acids, Alkalis, heavy metal compounds. (Accelerators, Dryers, Metal Soaps). Store away from sunlight. Do not eat, drink or smoke while handling this product. Keep containers tightly closed. Keep out of reach of children. Peroxides are harmful and corrosive and should be transported in accordance to Federal, State and local regulations. Storage temperature over 25 degrees C should be avoided.
Spills and disposal	:	Handle spillage with extreme care. Extinguish all forms of ignition, wear protective clothing, face and hand protection before handling the spillage. Absorb the spillage with non-flammable material such as vermiculite. Thereafter cleaned by flushing with water. Disposal probably in controlled incineration but according to local regulations.
Fire/Explosion Hazard	:	Extinguishing media waterspray, foam carbon dioxide. If involved in a fire, it will support combustion. Firefighters should wear suitable protection clothing and self contained breathing apparatus.
Reactivity Data	:	Violent reactions may be expected with acids, alkali heavy metals and reducing agents. Avoid contact with rust. Do not mix with peroxide accelerators. Use only stainless steel, PVC, Polyethylene or glass

Other Handling Information:

Contact Point: Mr Les Baker
 NORGLASS LABORATORIES PTY. LIMITED
 Nuplex Industries P/L
 Poisons Information Centre

The information contained in this material safety sheet is based on tests carried out by our research centres and data selected from literature, but shall in no event be held to constitute or imply any warranty or understanding. No liability whatsoever can be accepted with regard to handling, processing or use of the product or products concerned, which in all cases be employed with due regard to all relevant regulations and/or legislation in the country or countries concerned.

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