

FIRST AID MEASURES

<i>Inhalation</i>	If the applicator feels drowsy, dizzy, tired or experiencing headaches, remove the victim to the fresh air. Keep the victim warm and quiet until all symptoms subside.
<i>Ingestion</i>	If swallowed, and only if the person is conscious, give clean water to drink. If any symptoms occur, DO NOT induce vomiting; seek URGENT medical attention if frothing from the mouth occurs.
<i>Eyes</i>	If splashed into eyes, hold eyes open, irrigate copiously with clean water for at least 15 minutes. Seek immediate medical attention if any irritation occurs.
<i>Skin and Hair</i>	If skin or hair contact occurs, remove all contaminated clothing, flush skin and hair with running water. Seek medical attention if any irritation occurs.
<i>First Aid Facilities</i>	Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations.
<i>Advice to Doctor</i>	If poisoning occurs, consult with the Poisons Information Centre {Telephone 13 11 26 }. Have a copy of this material safety data sheet or label available. Treat symptomatically as systems may be delayed for several hours after exposure.



FIRE FIGHTING MEASURES

<i>Extinguishing Media and Requirements</i>	Carbon Dioxide {CO ₂ }, alcohol resistant foam, dry chemical or water spray. DO NOT use water jets. Bund area with damp sand to prevent run – off entering waterways and drains.
<i>Fire Fighting Procedures & Precautions</i>	Fire – fighters must wear Chemical Splash Suit with attached Self – Contained Breathing Apparatus and gloves. Evacuate all non fire–fighting personnel away from the area. Turn off all electricity and power supplies. Keep containers cool with water spray or water to prevent rupture or burning or exploding. To prevent re-ignition, extinguished containers and residues must be thoroughly cooled before approaching. Then move away all containers and equipment from the direction of the fire, if safe to do so. Keep upwind.
<i>Flammability Hazardous Decomposition Products</i>	Self Accelerating Decomposition Temperature = 60 °C On heating, containers will rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.



ACCIDENTAL RELEASE MEASURES

<i>Spills and Leaks</i>	Contain all spills and leaks. Avoid contamination with spilt material on surfaces. Remove all sources of ignition and NO SMOKING . Wear the recommended full body impervious clothing, gloves and breathing apparatus as per AS– NZ 1715/16. Keep upwind. Absorb all spilt contents onto sand or earth.
<i>Disposal</i>	Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements.
<i>Other Precautions</i>	Avoid contaminating waterways, drains, water courses and sewage. Contact the Environmental Protection Authority if contents entered the waterways.



HANDLING and STORAGE

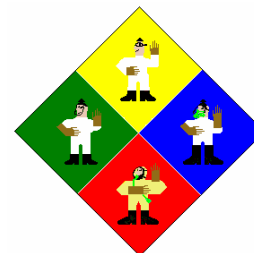
Handling	Keep out of reach of children. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin and hair with soap and water.
Storage	Containers must be clearly labelled, rigid and strong. Store upright in a cool, dry, well ventilated area from heat, ignition sources and direct sunlight e.g. Hazardous Chemical Goods Store as per AS 2714 requirements. Store below 25 ° C.

EXPOSURE CONTROLS

Exposure Standards MAK	Methyl Ethyl Ketone Peroxide = 1.5 mg/m ³ .
Exposure Standards STEL	Di Methyl Phthalate = 5 mg/m ³ .
Engineering Controls	No data available.
Engineering Controls	The use of local exhaust ventilation equipment is required. All ventilation equipment must be fitted with flame and explosion proof electrical fittings.

PERSONAL PROTECTION

Inhalation AS –NZS 1715/16	The wearing of an Organic Vapour Respirator must be worn at all times during the handling and application period.
Eye AS –NZS 1337	The wearing of safety glasses fitted with side shields must be worn at all times during the handling and application period. Do not wear contact lenses.
Gloves AS –NZS 2161	The wearing of Viton or PVC gloves must be worn at all times during the handling and application period.
Footwear AS –NZS 2210	The wearing of enclosed footwear must be worn at all times.
Clothing AS –NZS 2919	The wearing of anti–static clothing made on natural or synthetic high temperature fibre must be worn at all times during the handling and application period..
Hearing AS –NZS 1270	Not required.
Other Requirements	Avoid contact with skin, eyes and hair. Avoid inhaling vapours at all times.



PHYSICAL – CHEMICAL PROPERTIES

Appearance	A red coloured liquid with a mild odour.	
pH	Not required.	
Vapour Pressure (Butyl Acetate = 1)	Less than 1.0	
Boiling Point °C	No data available	
Density	1.18 {literature value}	
Solubility in water	Immiscible	
SADT °C	60 ° C {literature value}	
Flammability	No data available	No data available
Limits		
Auto Ignition °C	No data available	
Volatile	Non volatile	
Components		

STABILITY and REACTIVITY

Chemical Stability	Self Accelerating Decomposition Temperature (SADT) = 60 °C. Can decompose rapidly.
Conditions to avoid	Avoid contact with heat, all ignition sources, shock and friction.
Hazardous decomposition products	On heating, containers may rupture and explode rapidly. Organic acids – formic, acetic and propanoic may be formed.
Incompatible materials	Incompatible with metals, acids, alkalies and reducing agents as violent explosive reaction occur.
Hazardous Reactions	Will not polymerize.

TOXICOLOGICAL INFORMATION

<i>Health Effects</i>	<i>Risk Phrase</i>	<i>Di Methyl Phthalate</i>	<i>Methyl Ethyl Ketone Peroxide</i>
Inhalation LC ₅₀ rat	20	>20 mgm/L	17 mgm/L
Dermal LD ₅₀ rabbit	21	>2000 mgm/kg	>2000 mgm/kg
Oral LD ₅₀ rat	22	>2000 mgm/kg	1020 mgm/kg

Note

Risk phrases R20/21/22 has been assigned by the EEC Council Directive 67/548/EEC.

Risk Phrases R20/21/22 – Harmful by inhalation, skin contact or if swallowed.

Acute Oral Toxicity rat	Moderate toxicity. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Acute Dermal Toxicity rabbit	Low toxicity
Acute Inhalation Toxicity rat	Low toxicity. High concentrations may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination and impaired judgement: continued inhalation may result in unconsciousness and/or death.

OTHER TOXICOLOGICAL INFORMATION

Health Effects

Inhalation	Irritating to respiratory system including nose and throat.
Ingestion	Causes burns to mouth, throat, stomach resulting in nausea, vomiting and abdominal pains when ingested.
Eyes	Causes burns to the eyes, including stinging, burning sensation, redness, loss of colour vision (blue vision) and/or blurred vision, corneal oedema and lachrymation.
Skin	Causes burns to the skin resulting redness, itchiness, pain and swelling. On prolonged exposure to the skin may result in contact dermatitis.
Carcinogenicity	Not carcinogenic in animal studies.
Mutagenicity	Not mutagenic in animal studies
Reproductive Toxicity	Not known

ECOLOGICAL INFORMATION

Environment	Toxic to aquatic organisms (R51). May cause long – term adverse effects in the aquatic environment (R53).
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DISPOSAL CONSIDERATIONS

Consult with the Environment Protection Authority or State Authorities in accordance to the regulations. Do not incinerate empty containers after use. Thoroughly soak all unwanted cloths and rags in water prior to disposal. Do not recycle contents or spent containers. Ensure all contents do not pollute waterways, drains and other water courses.



TRANSPORT INFORMATION

UN number	3105		
Proper Shipping Name	ORGANIC PEROXIDE TYPE D - LIQUID		
Class	5.2	Subsidiary Risk	Not Required
Packing Group	Not assigned		
Emergency Procedures	3352	Initial Emergency Response Guide	32
HAZCHEM	2WE		
IMDG	Not Known		



REGULATORY INFORMATION

SUSDP Classified as a Schedule S 5 poison.

OTHER INFORMATION

Emergency Contact [Poisons Information Centre 13 11 26](tel:131126) [HiChem Paint Technologies \(03\) 9796 3400](tel:0397963400)

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