

HiChem Paint Technologies Pty.Ltd.

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**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

Product Name	DEOXIDISER AND RUST REMOVER - YELLOW	Code	RR
Product Use	A yellow coloured rust remover and metal conditioner for metallic surfaces.		
Ingredients	Name	CAS Number	Proportion w/w
	Water	7732 – 16 – 5	60 – 100 %
	ortho Phosphoric Acid	7664 – 38 – 2	1.0 - <10.0%
	Ethylene Glycol Mono Butyl Ether	111 – 76 – 2	1.0 - <10.0%
	Additives (non – hazardous)	Mixture	1.0 - <10.0%

HAZARD IDENTIFICATION

The product is classified as a **Hazardous Substance** in accordance to ASCC

Risk Phrases R

52/53 Harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

Safety Phrases S

2 Keep out of reach of children.
 7/9 Keep containers tightly closed when not in use and also in a well ventilated area.
 20/21 When using, do not eat, drink or smoke.
 24/25 Avoid skin contact and with the eyes.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 27 Take off immediately all contaminated clothing.
 28.1 In contact with the skin, wash immediately soap and plenty of water.
 36/37/38/39 The wearing of an Organic Vapour Respirator, Safety Glasses fitted with side – shields, Viton or PVC gloves, enclosed footwear, high temperature and anti – static clothing.
 45 In case of accident, or if you feel unwell, seek medical advice immediately. Show the label where possible.
 62 If swallowed, do not induce vomiting: seek medical advice immediately. Show the label where possible.

ADG Classification Not classified as a Dangerous Good in accordance with the current edition “Australian Code for the Transport of Dangerous Goods by Road and Rail”.

SUSDP Not classified as a Schedule poison.

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</i>	If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of 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>	Not required.
<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. 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>	Non Flammable or Non Combustible Liquid. Reacts with metals, metal hydroxides and organic amines, incompatible with oxidising agents. When heated to decomposition, corrosive phosphorus oxides may be produced.



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 . 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.



HANDLING and STORAGE

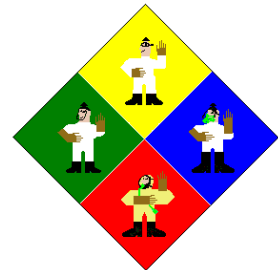
Handling	Keep out of reach of children. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin with soap and water.
Storage	Containers must be clearly labelled, rigid and strong. Store upright in a cool, dry, well ventilated area from heat, ignition sources and direct sunlight.

EXPOSURE CONTROLS

Exposure Standards MAK	ortho Phosphoric Acid = 1 mg/m ³ . Ethylene Glycol Mono Butyl Ether = 100 mg/m ³ .
Exposure Standards STEL	ortho Phosphoric Acid = 3 mg/m ³ ..
Engineering Controls	Ensure there is adequate ventilation with doors and windows during the application period.

PERSONAL PROTECTION

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



PHYSICAL – CHEMICAL PROPERTIES

Appearance	A yellow coloured, liquid with no appreciable odour.
pH	2
Vapour Pressure (Butyl Acetate = 1)	Less than 1.0
Boiling Point °C	100 - 175 °C { literature value }
Density	1.03 { calculated value }
Solubility in water	Miscible
Flash Point °C	Not required.
Flammability	Not required since the product is non flammable.
Limits	
Auto Ignition °C	Not required since the product is non flammable.
Volatile Components	Water, phosphoric acid and Ethylene Glycol Mono Butyl Ether.

STABILITY and REACTIVITY

Chemical Stability	Stable under normal conditions of use.
Conditions to avoid	Not required
Hazardous decomposition products	On heating, containers may rupture.
Incompatible materials	Reacts with metals, metal hydroxides and organic amines, incompatible with oxidising agents.
Hazardous Reactions	Will not polymerize.

TOXICOLOGICAL INFORMATION

<i>Health Effects</i>	<i>Risk Phrase</i>	<i>Phosphoric Acid</i>	<i>Ethylene Glycol Mono Butyl Ether</i>
Inhalation LC ₅₀ rat	20	Not Known	> 20 mg/Litre
Dermal LD ₅₀ rabbit	21	2740 mg/kg.	220 mg/kgm.
Oral LD ₅₀ rat	22	1530 mg/kg.	470 mg/kgm.

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	Low toxicity.
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:

OTHER TOXICOLOGICAL INFORMATION

Health Effects

Inhalation	Not known.
Ingestion	Large quantities may cause nausea and vomiting.
Eyes	May cause irritation to the eyes, including burning sensation, redness, swelling and/or blurred vision.
Skin	May have degreasing effect on the skin may result in contact dermatitis.
Carcinogenicity	Not carcinogenic in animal studies.
Mutagenicity	Not mutagenic in animal studies
Reproductive Toxicity	Does not impair fertility.

ECOLOGICAL INFORMATION

Environment	Harmful to aquatic organisms (R52). May cause long – term adverse effects in the aquatic environment (R53).
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DISPOSAL CONSIDERATIONS

Collect all residues and placed into labelled and sealed containers. Do not incinerate empty containers after use. Dampen all unwanted cloths and rags in water prior to disposal. Do not recycle contents or spent containers. Crush all small empty containers. Larger containers and drums may be sent to an approved drum recycler. Ensure all contents do not pollute waterways, drains and other water courses.



TRANSPORT INFORMATION

UN number	Not required		
Proper Shipping Name	Deemed as Non Dangerous Goods.		
Class	Not required	Subsidiary Risk	Not Required
Packing Group	Not required		
Emergency Procedures	3800	Initial Emergency Response Guide	37
HAZCHEM	2 R		
IMDG	Not Known		



REGULATORY INFORMATION

SUSDP Not classified as a Schedule poison.

OTHER INFORMATION

Emergency Contact **Poisons Information Centre 13 11 26** **HiChem Paint Technologies (03) 9796 3400**

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