

HiChem Paint Technologies Pty. Ltd.

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Email: msdsinfo@hichem.com.auWebsite: www.hichem.com.au**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

Product Name	RETARDER 4902	RET 4902
Product Use	Blend of organic solvents used for thinning recommended HICHEM products.	
Ingredients	Name	CAS Number Proportion w/w
	Liquid Aromatic Hydrocarbons (High Flash Point)	Not Known 30 – 60 %
	Aliphatic Esters	Not Known 30 – 60 %
	Butyl Alcohol	71 – 36 – 3 10 – 30 %

HAZARD IDENTIFICATION

The product is classified both as *Hazardous Substance* and *Dangerous Goods* in accordance to NOHSC.

Chronic Risk 65,66,67 Harmful. May cause lung damage if swallowed. Repeated exposure may cause skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness.

Acute

Skin Risk 21,38 Harmful X_n, Irritant X_i

Inhalation Risk 20,37 Harmful X_n Irritant X_i

Ingestion Risk 22 Harmful X_n

Eyes Risk 36 Irritant X_i

Safety Phrases 7/9,23.5,24/25,36/37/38/39 Further description, refer to page 4.

ADG PAINT RELATED MATERIAL, THINNERS N.O.S. – immiscible in water, UN

Classification 1263, Class 3, Packing Group III, HAZCHEM 3[Y].

SUSDP Classified as a Schedule S 5 poison.

Classification

FIRST AID MEASURES

Inhalation 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.

Ingestion If swallowed and only if the person is conscious, give water to drink. **DO NOT** induce vomiting. Seek URGENT medical attention if frothing from the mouth occurs.

Eyes 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.

Skin If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Seek medical attention if any irritation occurs.

First Aid Facilities Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations.

Advice to Doctor 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.



FIRE FIGHTING MEASURES

Extinguishing Media and Requirements Fire Fighting Procedures & Precautions

Carbon Dioxide {CO₂}, alcohol resistant foam, dry chemical or water spray. **DO NOT** use water jets. Bund area with sand to prevent run – off entering waterways and drains. Fire – fighters should 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.



Flammability Hazardous Decomposition Products

Flammable Liquid. Flash Point = 25 °C
On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.

ACCIDENTAL RELEASE MEASURES

Spills and Leaks

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.



Disposal

Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements.

Other Precautions

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 e.g. Flammable Goods Store as per AS 1940 requirements.

EXPOSURE CONTROLS

Exposure Standards MAK Engineering Controls

Liquid Aromatic Hydrocarbons (High Flash Point) = Not Known
Aliphatic Esters = Not Known Butyl Alcohol = 310 mg/m³.
When using this Retarder 4902, ensure there is adequate ventilation at all times. Do not use in a confined space.

PERSONAL PROTECTION**Inhalation**

AS –NZZ 1715/16

Eye

AS –NZZ 1337

Gloves

AS –NZZ 2161

Footwear

AS –NZZ 2210

Clothing

AS –NZZ 2919

Hearing

AS –NZZ 1270

Other Requirements

The wearing of an Organic Vapour Respirator is recommended during the application period.

The wearing of safety glasses fitted with side shields should be worn during the application period. Do not wear contact lenses.

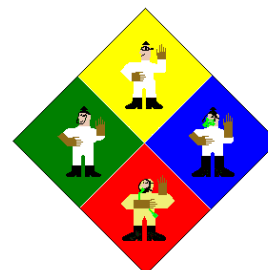
The wearing of Viton or PVC gloves is recommended during the application period.

The wearing of enclosed footwear is recommended during the application period

The wearing of anti-static clothing made on natural or synthetic high temperature fibre is recommended during the application period

Not required

Avoid contact with eyes and skin. Avoid inhaling spray mists and vapours.

**PHYSICAL – CHEMICAL PROPERTIES****Appearance**

A colourless liquid with a strong odour.

pH

Not required.

Vapour Pressure

(Butyl Acetate = 1)

Less than 1.

Boiling Point °C

116 – 175 °C {literature value}

Density

0.90 {calculated value}

Solubility in water

Immiscible

Flash Point °C

25 °C {literature value}

Flammability Limits

Lower Explosive Limit = 1.0 %

Upper Explosive Limit = 11.3%

Auto Ignition °C

250 °C {literature value}

Volatile Components

Organic Solvents

STABILITY and REACTIVITY**Chemical Stability**

Stable under normal conditions of use.

Conditions to avoid

Avoid contact with heat and all ignition sources.

Incompatible materials

Incompatible with strong oxidizing agents

Hazardous decomposition products

On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.

Hazardous Reactions

Will not polymerize.

TOXICOLOGICAL INFORMATION**Inhalation** LC₅₀

rat Organic Solvents > 20mg/Litre for 4 hours

Skin LD₅₀

rabbit Organic Solvents > 400 mg/kilogram bodyweight/day

Ingestion LD₅₀

rat Organic Solvents > 200 mg/kilogram bodyweight/day

Eyes & Skin

No data for organic solvents.

Sensitization

No data for organic solvents.

Health Effects

No data for organic solvents.

ECOLOGICAL INFORMATION**Environment** No data available**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	1263		
Proper Shipping Name	PAINT RELATED MATERIAL THINNERS, N.O.S. – immiscible in water		
Class	3	Subsidiary Risk	Not Required
Packing Group	III		
Emergency Procedures	EP 3303	Initial Emergency Response Guide	15
HAZCHEM	3[Y]		
IMDG			

**REGULATORY INFORMATION**

Risk Phrases R	65,66,67	Harmful. May cause lung damage if swallowed. Repeated exposure may cause skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness
	20/21/22	Harmful by inhalation, skin contact and if swallowed.
	36/37/38	Irritating to eyes, respiratory tract and skin.
	10	Flammable
Safety Phrases S	7/9	Keep containers closed and in a well ventilated area when not in use.
	23.5	Avoid breathing vapours or spray mist.
	24/25	Avoid contact with skin and eyes.
	36/37/38/39	Wear recommended Personal Protective Equipment – protective clothing, gloves, boots, respirator, eyes and hearing protection.
SUSDP Classification	Classified as a Schedule S 5 Poison.	

OTHER INFORMATION

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

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