

**HiChem Paint Technologies Pty. Ltd.**

A.B.N. 95 064 139 653

73 Hallam South Road, HALLAM, VICTORIA 3803.

Telephone : {03} 9796 3400

Facsimile : {03} 9796 4500

Email: [msdsinfo@hichem.com.au](mailto:msdsinfo@hichem.com.au)Website: [www.hichem.com.au](http://www.hichem.com.au)**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

<b>Product Name</b>	RETARDER 234	RET 234
<b>Product Use</b>	Blend of organic solvents used as a thinner for HiChem automotive products.	
<b>Ingredients</b>	<b>Name</b>	<b>CAS Number</b> <b>Proportion w/w</b>
	Di Acetone Alcohol	123 – 42 – 2    60 – 100 %
	n 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<sub>n</sub>, Irritant X<sub>i</sub>

Inhalation Risk 20,37 Harmful X<sub>n</sub> Irritant X<sub>i</sub>

Ingestion Risk 22 Harmful X<sub>n</sub>

Eyes Risk 36 Irritant X<sub>i</sub>

**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,

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

**SUSDP** Not classified as a Schedule 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 {CO<sub>2</sub>}, 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.



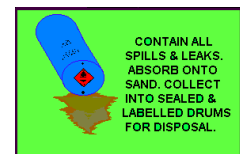
### *Flammability Hazardous Decomposition Products*

Flammable Liquid. Flash Point = 34 °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*

Di Acetone Alcohol = 240 mg/m<sup>3</sup>.                      n Butyl Alcohol = 310 mg/m<sup>3</sup>.

When using this Retarder 234, ensure there is adequate ventilation at all times. Do not use in a confined space.

**PERSONAL PROTECTION****Inhalation**

AS –NZS 1715/16

**Eye**

AS –NZS 1337

**Gloves**

AS –NZS 2161

**Footwear**

AS –NZS 2210

**Clothing**

AS –NZS 2919

**Hearing**

AS –NZS 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 must be worn during the application period. Do not wear contact lenses.

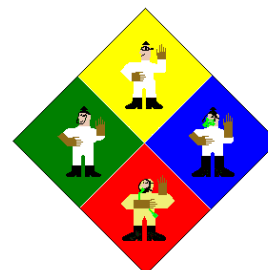
The wearing of Viton or PVC gloves is recommended during the application period.

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**

Greater than 1.

(Butyl Acetate = 1)

**Boiling Point °C**

116 – 168 °C {literature value}

**Density**

0.90 {calculated value}

**Solubility in water**

Immiscible

**Flash Point °C**

34 °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** LC<sub>50</sub>

rat Organic Solvents > 20mg/Litre for 4 hours

**Skin** LD<sub>50</sub>

rabbit Organic Solvents > 400 mg/kilogram bodyweight/day

**Ingestion** LD<sub>50</sub>

rat Organic Solvents > 200 mg/kilogram bodyweight/day

**Eyes/Skin**

No data for organic solvents

**Sensitization**

No data for organic solvents.

**Health Effects**

Not Known.

**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**

<b>UN number</b>	1263		
<b>Proper Shipping Name</b>	PAINT RELATED MATERIAL - THINNERS, N.O.S., immiscible in water		
<b>Class</b>	3	<b>Subsidiary Risk</b>	Not Required
<b>Packing Group</b>	III		
<b>Emergency Procedures</b>	EP 3303	<b>Initial Emergency Response Guide</b>	15
<b>HAZCHEM</b>	3[Y]		
<b>IMDG</b>			

**REGULATORY INFORMATION**

<b>Risk Phrases R</b>	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
<b>Safety Phrases S</b>	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 and eye protection.
<b>SUSDP Classification</b>	Not classified as a Schedule Poison.	

**OTHER INFORMATION**

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

**Disclaimer**    *Data provided is to best of HiChem Paint Technologies Proprietary Limited knowledge and believe to be accurate and reliable as of the date of issued. However no expressed or implied warranties are given. HiChem Paint Technologies Proprietary Limited cannot anticipate or control the conditions under which this information may be used. Therefore, it is user's responsibility to satisfy themselves as to the suitability and completeness of such information for their particular use. It is the responsibility of the user to ensure that the issue is current. This information given is a non-controlled document*