

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

<b>Product Name</b>	SPECIAL THINNER 201	<b>Code</b>	SP 201
<b>Product Use</b>	Use as a thinner for HICHEM Industrial Enamels and Primers.		
<b>Ingredients</b>	<b>Name</b>	<b>CAS Number</b>	<b>Proportion w/w</b>
	Toluene	108 – 88 – 3	60 – 100 %
	Di Acetone Alcohol	123 – 42 – 2	30 – 60 %

**HAZARD IDENTIFICATION**

The product is classified both as Hazardous Substance and Dangerous Goods according to ASCC

**Risk Phrases**

11	Highly Flammable Liquid
48/20	Harmful, of serious damage to health by prolonged exposure through inhalation.
21/22	Harmful in contact with the skin and if swallowed.
36/37/38	Irritating to eyes, respiratory system and skin
51/53/59	Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Danger to ozone layer.
63	Possible risk of an unborn child.
65/66/67	Harmful. May cause lung damage if swallowed. Prolonged or repeated exposure may cause skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness.

**Safety Phrases**

2	Keep out of reach of children.
7/9	Keep containers tightly closed when not in use and also well – ventilated area.
15/16/33	Keep away from heat, sources of ignition and take precautionary measures against static electricity.
20/21	When using, do not eat, drink or smoke.
23.5	Do not breathe vapours or spray mist.
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 with soap and plenty of water.
36/37/38/39	Wear protective clothing, enclosed footwear, impervious gloves, and organic vapour respirator including eye and face protection.
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** PAINT RELATED MATERIAL – THINNERS, immiscible in water, U.N. 1263 Class 3, HAZCHEM Code 3[**V**]E, Packing Group II.

**SUSDP** Classified as a Schedule S 6 poison.

**FIRST AID MEASURES**

<b>Inhalation</b>	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.
<b>Ingestion</b>	If swallowed and only if the person is conscious, give water to drink. <b>DO NOT</b> induce vomiting. Seek URGENT medical attention if frothing from the mouth occurs.
<b>Eyes</b>	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.
<b>Skin</b>	If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Seek medical attention if any irritation occurs.
<b>First Aid Facilities</b>	Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations.
<b>Advice to Doctor</b>	If poisoning occurs, consult with the Poisons Information Centre {Telephone <b>13 11 26</b> }. Have a copy of this material safety data sheet or label available. Treat symptomatically.

**FIRE FIGHTING MEASURES**

<b>Extinguishing Media and Requirements</b>	Carbon Dioxide {CO <sub>2</sub> }, alcohol resistant foam, dry chemical or water spray. <b>DO NOT</b> use water jets. Bund area with sand to prevent run – off entering waterways and drains.
<b>Fire Fighting Procedures &amp; Precautions</b>	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.
<b>Flammability</b>	Highly Flammable Liquid. Flash Point = 4 °C
<b>Hazardous Decomposition Products</b>	On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.

**ACCIDENTAL RELEASE MEASURES**

<b>Spills and Leaks</b>	Contain all spills and leaks. Avoid contamination with spilt material on surfaces. Remove all sources of ignition and <b>NO SMOKING</b> . 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.
<b>Disposal</b>	Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements.
<b>Other Precautions</b>	Avoid contaminating waterways, drains, watercourses 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**Toluene = 190 mg/m<sup>3</sup>.Di Acetone Alcohol = 240 mg/m<sup>3</sup>.**Standards MAK****Exposure**Toluene = 575 mg/m<sup>3</sup>.

Di Acetone Alcohol = Not Known

**Standards STEL****Engineering**

Use mechanical exhaust ventilation system that is both flame and explosion proof electrical fittings during the application period at all times. Do not used in a confined space.

**Controls****PERSONAL PROTECTION****Inhalation**

An Organic – Vapour Respirator **should** be worn at all times during the application period.

**AS –NZN 1715/16****Eye**

Safety glasses fitted side shields or faceshield **should** be worn at all times during the application period. Do not wear contact lenses.

**AS –NZN 1337****Gloves**

Viton or PVC gloves **should** be worn during the application period.

**AS –NZN 2161****Footwear**

Enclosed footwear **should** be worn during the application period

**AS –NZN 2210****Clothing**

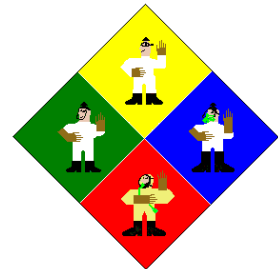
Anti-static clothing made on natural or synthetic high temperature fibre **should** be worn during the application period

**AS –NZN 2919****Hearing**

Not required.

**AS –NZN 1270****Other Requirements**

Avoid contact with eyes and skin. Wear the recommended Personal Protective Equipment as described.

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

A colourless liquid with a mild odour.

**pH**

Not required.

**Vapour Pressure**

Less than 1.

(Butyl Acetate = 1)

**Boiling Point °C**

110– 166 °C {literature value}

**Density**

0.90 (calculated value)

**Solubility in water**

Immiscible

**Flash Point °C**

4 °C {literature value}

**Flammability Limits**

Lower Explosive Limit = 1.0%

Upper Explosive Limit = 8.0%

**Auto Ignition °C**

535 °C {literature value}

**Volatile Components**

Toluene and Di Acetone Alcohol as organic solvents.

**STABILITY and REACTIVITY**

<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Conditions to avoid</b>	Avoid contact with heat and all ignition sources.
<b>Incompatible materials</b>	Incompatible with strong oxidizing agents
<b>Hazardous decomposition products</b>	On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.
<b>Hazardous Reactions</b>	Will not polymerise.

**TOXICOLOGICAL INFORMATION****Acute Toxicity Data**

<i>Health Effects</i>	Risk Phrase	Di Acetone Alcohol	Toluene
Inhalation LC <sub>50</sub> (rat)	20	> 20 mgm/L	> 20 mgm/L
Dermal LD <sub>50</sub> (rabbit)	21	> 2000 mgm/kg	> 2000 mgm/kg.
Oral LD <sub>50</sub> (rat)	22	> 2000 mgm/kg	640 mgm/kg.

**Note**

Risk Phrases – R20 (harmful by inhalation), R21 (Harmful by skin contact) and R22 (harmful if swallowed) has been assigned by the EEC Council Directive 67/548/EEC.

Acute Oral Toxicity	Moderately toxicity. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis, which can be fatal.
Acute Dermal Toxicity	Low toxicity
Acute Inhalation Toxicity	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 Health Effects**

Inhalation	The inhalation of vapours may cause acute irritation in the respiratory tract.
Ingestion	Large quantities may cause nausea and vomiting.
Eyes	Irritating to the eyes, including burning sensation, redness, swelling and/or blurred vision. May cause decreased in colour perception.
Skin	Will have degreasing effect on the skin may result in contact dermatitis.
Carcinogenicity	Not carcinogenic in animal studies.
Mutagenicity	Not mutagenic in animal studies. Causes foetotoxicity in animals at doses that are maternally toxic. Does not impair fertility.

**ECOLOGICAL INFORMATION**

<b>Environment</b>	Toxic to aquatic organisms (R51) May cause long – term adverse in the aquatic environment (R53).
--------------------	---

**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 watercourses.

**TRANSPORT INFORMATION**

<b>UN number</b>	1263		
<b>Proper Shipping Name</b>	PAINT RELATED MATERIAL – THINNERS		
<b>Class</b>	3	<b>Subsidiary Risk</b>	Not Required
<b>Packing Group</b>	II		
<b>Emergency Procedures</b>	EP 3300	<b>Initial Emergency Response Guide</b>	14
<b>HAZCHEM</b>	3[Y]E		
<b>IMDG</b>			

**REGULATORY INFORMATION**

**SUSDP Classification** Classified as a Schedule 6 Poison.

**OTHER INFORMATION**

<b>Emergency Contact</b>	<b>Poisons Information Centre 13 11 26</b>	<b>HiChem Paint Technologies (03) 9796 3400</b>
<b>Disclaimer</b>	<p><i>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</i></p>	