

HiChem Paint Technologies Pty.Ltd.

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

Product Name	2 PACK THINNERS D186	Code	D 186
Product Use	Blend of organic solvents used as a thinner of HICHEM Automotive 2 Pack Products.		
Ingredients	Name	CAS Number	Proportion w/w
	Solvent Naphtha (Petroleum) Light Aromatic	64742 – 95 – 6	30 – 60 %
	Butyl Acetate	123 – 86 – 4	30 – 60 %
	Methyl Iso Butyl Ketone	108 – 10 – 1	10 – <30 %

HAZARD IDENTIFICATION

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

Risk Phrases

- 11 Highly Flammable Liquid
 20/21/22 Harmful by inhalation, skin contact and if swallowed.
 36/38 Irritating to eyes and skin
 40 Limited evidence of a carcinogenic effect.
 52/53 Harmful to aquatic systems and may cause long-term adverse effects in the aquatic environment.
 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[]E, Packing Group II.

SUSDP Classified as a Schedule S 6 poison.

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	Carbon Dioxide {CO ₂ }, 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 Fighting Procedures & Precautions	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	Highly Flammable Liquid. Flash Point = < - 20 °C
Hazardous Decomposition Products	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, 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**

Butyl Acetate = 713 mg/m³.

Methyl Iso Butyl Ketone = 205 mg/m³.

Standards TWA**Exposure**

Methyl Iso Butyl Ketone = 307 mg/m³.

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**

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

AS –NZS 1715/16**Eye**

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

AS –NZS 1337**Gloves**

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

AS –NZS 2161**Footwear**

The wearing of enclosed footwear **should** be worn during the application period

AS –NZS 2210**Clothing**

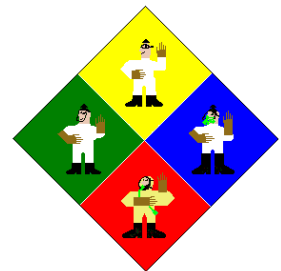
The wearing of anti-static clothing made on natural or synthetic high temperature fibre **should** be worn during the application period

AS –NZS 2919**Hearing**

Not required.

AS –NZS 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 strong odour.

pH

Not required.

Vapour Pressure

Greater than 1.

(Butyl Acetate = 1)

Boiling Point °C

56 – 150 °C {literature value}

Density

0.85 (calculated value)

Solubility in water

Immiscible

Flash Point °C

< - 20 °C {literature value}

Flammability Limits

Lower Explosive Limit = 1.0%

Upper Explosive Limit = 13.0%

Auto Ignition °C

250 °C {literature value}

Volatile Components

Acetone, Butyl Acetate, Methyl Iso Butyl Ketone and Solvent Naphtha.

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 polymerise.

TOXICOLOGICAL INFORMATION**Acute Toxicity Data**

<i>Health Effects</i>	Risk Phrase	Solvent Naphtha	Butyl Acetate	MIBKetone
Inhalation LC ₅₀ /4 Hours (rat)	20	> 20 mgm/L	> 20 mgm/L	> 20 mgm/L
Dermal LD ₅₀ (rabbit)	21	> 2000 mgm/kg	> 2000 mgm/kg	> 2000 mgm/kg
Oral LD ₅₀ (rat)	22	> 2000 mgm/kg	> 2000 mgm/kg	> 2000 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	Low 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 and nausea.: 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. Other symptoms may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination and impaired judgement.
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	Limited evidence of a carcinogenic effect for Solvent Naphtha.
Mutagenicity	Not mutagenic in animal studies. Causes foetotoxicity in animals at doses that are maternally toxic. Does not impair fertility.

ECOLOGICAL INFORMATION

Environment Harmful to aquatic environment (R52)
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

UN number	1263		
Proper Shipping Name	PAINT RELATED MATERIAL – THINNERS , immiscible in water		
Class	3	Subsidiary Risk	Not Required
Packing Group	III		
Emergency Procedures	EP 3300	Initial Emergency Response Guide	14
HAZCHEM	3[Y]E		
IMDG			

**REGULATORY INFORMATION**

SUSDP Classification Classified as a Schedule 5 Poison.

OTHER INFORMATION

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

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