

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	THINNER T 731	T 731
Product Use	Use as a cleaning thinner for screens in the printing industry..	
Ingredients	Name	CAS Number Proportion w/w
	Limonene (Di Pentene)	138 – 86 - 3 10 – 30 %
	Butyl Di Glycol Acetate	124 – 17 – 4 30 – 60 %
	Butyl Di Glycol Ether	112 – 34 – 5 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 38,43 Irritant X_i, Sensitizer X_s

Eye Risk 36 Irritant X_i

Safety Phrases 7/9,23.5,24/25,36/37/38/39/60/61 Further description, refer to page 4.

ADG FLAMMABLE LIQUID, N.O.S. – immiscible in water, UN 1993, Class 3,

Classification 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 {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 = 43° 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

Butyl Di Glycol Ether = 100 mg/m³

dl Limonene = Not Known

Butyl Di Glycol Acetate = Not Known

When using this Thinner T 731, 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

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.

Gloves
AS –NZZ 2161
Footwear
AS –NZZ 2210
Clothing
AS –NZZ 2919

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

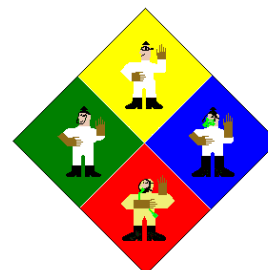
The wearing of enclosed footwear is recommended during the application period

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

Hearing
AS –NZZ 1270
Other Requirements

Not required

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

**PHYSICAL – CHEMICAL PROPERTIES**

Appearance
pH
Vapour Pressure
(Butyl Acetate = 1)
Boiling Point ° C
Density
Solubility in water
Flash Point ° C
Flammability Limits
Auto Ignition ° C
Volatile Components

A colourless liquid with a strong odour.

Not required.

Less than 1.

71 – 250 ° C {literature value}

0.96 {calculated value}

Immiscible

43 ° C {literature value}

Lower Explosive Limit = 0.5 %

Upper Explosive Limit = 7.5 %

225 ° C {literature value}

Organic Solvents

STABILITY and REACTIVITY

Chemical Stability
Conditions to avoid
Incompatible materials
Hazardous decomposition products
Hazardous Reactions

Stable under normal conditions of use.

Avoid contact with heat and all ignition sources.

Incompatible with strong oxidizing agents

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

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 R36 Eye Irritant – Butyl Di Glycol Ether R38 Skin Irritant – dl Limonene
Inhalation No data for organic solvents
Sensitization R43 Skin Sensitizer – dl Limonene.
Health Effects Not Known.

ECOLOGICAL INFORMATION

Environment R50/53 Very toxic to aquatic organisms. May cause long – term adverse effects in the aquatic environment.

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 1993
Proper Shipping Name FLAMMABLE LIQUID, 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
 36/38 Irritating to eyes and skin.
 43 Sensitizer to 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.
 60/61 This material and its container must be disposed of as hazardous waste. Avoid release to the environment.
 36/37/38/39 Wear recommended Personal Protective Equipment – protective clothing, gloves, boots, respirator and eye protection.
SUSDP Classification 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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