

SPECIAL THINNER 227

Classified as Hazardous in accordance to criteria of Worksafe Australia

COMPANY DETAILS

HICHEM PAINT TECHNOLOGIES PTY. LTD.

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IDENTIFICATION

Product Name	SPECIAL THINNER 227
Product Number	ST227
Proper Shipping Name	PAINT RELATED MATERIAL-THINNERS
U.N. Number	1263
Dangerous Goods Class	3
HAZCHEM Code	3[Y]E
Initial Emergency	14
Response Guide	
Packing Group	II
Poison Schedule Number	S 5
Product Use	Special Thinner 227 are a blend of organic solvents is used for thinning recommended products prior to spray application.

PHYSICAL DESCRIPTION AND OTHER PROPERTIES

Appearance	Colourless liquid
Initial Boiling Point	117 ° Celsius {literature value}
Vapour Pressure	Greater than 1
{Butyl Acetate = 1}	
Specific Gravity	0.80
Flash Point	13 ° Celsius {closed cup - literature value}
Flammability Limits	Lel = 1.0 % Uel = 12.0 %
Solubility in Water	Immiscible
Auto Ignition Temperature	250 ° Celsius {literature value}

INGREDIENTS

CHEMICAL/SUBSTANCE NAME	CAS Number	Proportion % w/w
Toluene	108-10-1	30 - 60 %
Ethyl Alcohol	64-17-5	30 - 60 %

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HEALTH HAZARD INFORMATION

HEALTH EFFECTS - ACUTE

Swallowed	Can cause irritation to the mouth, throat and stomach. Harmful if swallowed.
Eyes	Can cause irritation to the eyes.
Skin	Can cause irritation to the skin. Harmful in contact with the skin.
Inhalation	Can cause irritation to nose, throat and respiratory tract. Harmful by inhalation.

HEALTH EFFECTS - CHRONIC

Inhalation and Skin	Repeated or prolonged inhalation may lead to headaches, drowsiness, vomiting, nausea and dizziness. Repeated or prolonged exposure may cause defatting of the skin and can result in dermatitis.
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FIRST AID

Swallowed	If swallowed, and only if the person is conscious, give water to drink. DO NOT induce vomiting. Seek URGENT medical attention if frothing the mouth occurs.
Eyes	If splashed into eyes, irrigate copiously with water for at least 15 minutes. Seek immediate medical attention if irritation persists.
Skin	If skin contact occurs, remove contaminated clothing and wash thoroughly with soap and water. Seek medical attention if any irritation occurs.
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.
First Aid Facilities	Clean water supply, barrier cream, soap and eye wash stations.
Advice to Doctor	If poisoning occurs, consult the Poisons Information Centre {Australia 13 1126 or New Zealand (03) 4747000 } and have a copy of this Material Safety Data Sheet or label available. Treat the patient symptomatically.
Other Information	Immerse all contaminated clothing in water for 24 hours and do not <u>re-use</u> until it has been laundered.

PRECAUTIONS FOR USE

ENGINEERING REQUIREMENTS

Exposure Standards	Ethyl Alcohol = 1880 mg/m ³	Methyl Iso Butyl Ketone = 205 mg/m ³
Engineering Controls	When handling SPECIAL THINNER 227, ensure there is adequate ventilation.	

PERSONAL PROTECTION

Clothing {AS 2919}	The wearing of antistatic clothing made on natural or high temperature synthetic fibre is recommended during the application period.
Gloves {AS 2161}	The wearing of Viton, PVC or Neoprene gloves is recommended during the application period.
Eyes {AS - NZS 1337}	The wearing of safety glasses fitted with side shields or chemical splash goggles is recommended during the application period. Do not wear contact lenses.
Respiratory Equipment {AS - NZS 1715/1716}	The wearing of an Organic Vapour Respirator {Type A Class 2} is recommended during the application period.
Footwear {AS - NZS 2210}	The wearing of enclosed safety boots or safety shoes is recommended during the application period.
Hearing {AS - NZS 1270}	Not required.

PROTECTIVE EQUIPMENT

Avoid breathing vapours. Avoid contact with eyes and skin. Wear the recommended personal protective clothing as described in this Material Safety Data Sheet.

FLAMMABILITY	Highly Flammable liquid. Avoid heat, sparks, ignition sources and naked flames. NO SMOKING during the application period.
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SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

- Storage Requirements** Containers should be clearly labelled, rigid and strong. Store upright in a cool, dry, well ventilated area away from all heat, ignition sources and direct sunlight. e.g. Flammable Goods Store or Cabinet.
- Storage Regulations** Store in accordance with the Australian Standard {AS 1940} - The Storage and Handling of Flammable and Combustible Liquids.
- Transport Requirements** Classified by the current edition " Australian Code for the Transport of Dangerous Goods by Road and Rail " {ADG} - PAINT RELATED MATERIAL - THINNERS, UN1263, Class 3, HAZCHEM 3[Y]E, Packing Group II, Initial Emergency Response Guide 14.
 Dangerous goods of Class 3 {Flammable Liquid} are incompatible in a placard load with any of the following :-
 Class 1
 Class 2.1, if both Class 3 and Class 2.1, dangerous goods in bulk
 Class 2.3
 Class 4.2
 Class 5.1 and Class 5.2
 Class 6, if the Class 3, dangerous goods is nitromethane
 Class 7

SPILLS AND DISPOSAL

- Spills** Contain all spills. Prevent contamination of waterways and sewage. Remove all sources of heat and ignition. **DO NOT** smoke during the clean-up procedure. Use sand, earth or earth non-reactive absorbent material {not sawdust} to absorb all spillages. Wash remaining residues with detergent and excess water.
- Disposal** Keep unwanted residues in labelled and sealed containers for disposal via special waste collection services.

FIRE/EXPLOSION HAZARD**List of Dangerous Decomposition or Combustion Products**

- May produce toxic gases including carbon monoxide if burning occurs in a confined space. On heating, containers can rupture and explode.
- Fire Fighting Procedures** Evacuate all non fire-fighter personnel. Turn of all electricity and power supplies. Keep containers cool with water spray or water fog to prevent rupture or burning. Move away all containers and equipment from the direction of the fire, if safe to do so.
- Extinguishing Media** Carbon Dioxide {CO₂}, alcohol resistant foam, dry chemical, water spray and water fog. It is essential that fire-fighters should wear contain self-contained breathing apparatus when fighting the fire.
- Reactivity** No known hazardous reactions or polymerization will occur.
- HAZCHEM CODE** 3[Y]E.
- Other Precautions** Immerse all unwanted rags and cloths in water prior to disposal. Do not incinerate empty containers.

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OTHER INFORMATION**WORKSAFE CLASSIFICATION**

Hazard Category	The hazardous rating of SPECIAL THINNER 227 is classified as both harmful and irritating substance by the current WORKSAFE-NOHSC documents.
Risk Phrases	Highly Flammable {R11}. Harmful by inhalation, contact with the skin and if swallowed {R20/21/22}. Irritating to the eyes, respiratory tract and skin {R36/38} Harmful. May cause lung damage if swallowed {R65}.
Safety Phrases	Keep away from heat and sources of ignition - NO SMOKING {S15/16}. Do not breathe vapours {S23}. Avoid contact with skin and eyes {S24/25}.

ENVIRONMENT	May be hazardous to the environment. Avoid contaminating waterways and sewage. Do not empty into drains {S29}.
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TOXICITY - Acute Lethal Effects

Substance{s}	Ethyl Alcohol and Methyl Iso Butyl Ketone.
Oral LD₅₀ {rat}	≥ 2000 milligrams/kilogram of body weight
Dermal LD₅₀ {rabbit}	≥ 2000 milligrams/kilogram of body weight
Inhalation LC₅₀ {rat}	≥ 5 milligrams/Litre/4 hours of body weight

CONTACT	For further information, please contact POISONS INFORMATION CENTRE Telephone : {Australia} 13 1126 {New Zealand} (03) 474 7000
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DISCLAIMER

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