

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	AEROSOL OPTICAL FX		
Product Use	Aerosol Optical FX used as a special effect coating over automotive base coatings		
Ingredients	Name	CAS Number	Proportion w/w
	Acetone	67 – 67 – 1	10 – 30 %
	Di Methyl Ether	110 – 65 – 6	30 – 60 %
	Synthetic Resins (Non – Hazardous)	Not Known	1 – 10 %
	Additives (Non – Hazardous)	Not Known	1 – 10 %

HAZARD IDENTIFICATION

The product is classified both as Hazardous Substance and Dangerous Goods as classified by NOHSC.

Chronic Risk 66,67 Repeated exposure may skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness.

Acute

Skin Risk 21,38 Harmful X_n, Irritant X_i.
Inhalation Risk 20 Harmful X_n
Ingestion Risk 22 Harmful X_n
Eyes Risk 36 Irritant X_i.

ADG AEROSOLS, with a capacity less than 1 litre – immiscible in water, UN 1950,

Classification Class 2.1, HAZCHEM 2Y.

SUSDP Classified as a Schedule S 5 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 Unlikely route of exposure. Give 2 glasses of water to drink.

Eyes If sprayed 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 sprayed onto skin, 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.

S45



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**

Highly Flammable Gas. Flash Point = < - 30 °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**

Acetone = 1200 mg/m³

Di Methyl Ether = Not Known

When applying the product, ensure there is adequate ventilation during the application period.

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

It is advisable to wear an Organic Vapour Respirator during the application period.

It is advisable to wear safety glasses fitted with side shields during the application period. Do not wear contact lenses.

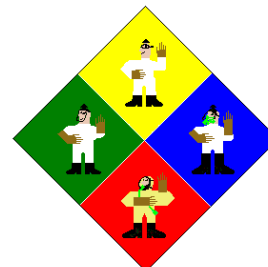
It is advisable to wear Viton or PVC gloves during the application period.

It is advisable to wear enclosed footwear during the application period

It is advisable to wear anti-static clothing made on natural or synthetic high temperature fibre during the application period

Not Required.

Avoid contact with eyes and skin. It is advisable to wear recommended Personal Protective Equipment as described.

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

A coloured liquid with a mild odour.

pH

Not required.

Vapour Pressure

(Butyl Acetate = 1)

Greater than 1.

Boiling Point °C

50 °C {literature value}

Density

0.78 {calculated value}

Solubility in water

Immiscible

Flash Point °C

< - 30 °C {literature value}

Flammability Limits

Lower Explosive Limit = 1.0 %

Upper Explosive Limit = 12.0 %

Auto Ignition °C

250 °C {literature value}

Volatile Components

Organic Solvents.

STABILITY and REACTIVITY**Chemical Stability**

Stable under normal conditions of use.

Hazardous**decomposition****products**

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

Conditions to avoid

Avoid contact with heat and all ignition sources.

Incompatible**materials**

Incompatible with strong oxidizing agents.

Hazardous Reactions

Will not polymerize.

TOXICOLOGICAL INFORMATION**Inhalation**LC₅₀

rat

Organic Solvents > 20mg/Litre for 4 hours

SkinLD₅₀

rabbit

Organic Solvents > 400 mg/kilogram bodyweight/day

IngestionLD₅₀

rat

Organic Solvents > 200 mg/kilogram bodyweight/day

Eyes & Skin

Organic Solvents – irritant

Sensitization

Organic Solvents – non sensitizer

ECOLOGICAL INFORMATION

Environment No data available

DISPOSAL CONSIDERATIONS

Collect all residues and placed into labelled and sealed containers. Do not incinerate or puncture empty containers after use. Dampen all unwanted cloths and rags in water prior to disposal. Do not recycle contents or spent containers. Ensure all contents do not pollute waterways, drains and other water courses.

TRANSPORT INFORMATION

UN number	1950		
Proper Shipping Name	AEROSOLS, with a capacity less than 1 Litre, immiscible in water		
Class	2.1	Subsidiary Risk	Not Required
Packing Group	II		
Emergency Procedures HAZCHEM	EP 3902	Initial Emergency Response Guide	49
IMDG	2Y		

**REGULATORY INFORMATION**

Risk Phrases R	66, 67	Repeated exposure may skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness
	20/21/22	Harmful by inhalation, skin contact and if swallowed.
	36/38	Irritating to eyes and skin.
	11	Highly 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.
	36/37/38/39	Wear recommended Personal Protective Equipment – protective clothing, gloves, boots, respirator and eye protection.
SUSDP Classification	The current product is labelled 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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