

HiChem Industries Pty. Ltd.

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**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

Product Name	AEROSOL COLD GAL	CG 400
Product Use	Zinc rich aerosol primer used "touch-up" or painting of small areas on metal surfaces.	
Ingredients	Name	CAS Number Proportion w/w
	Acetone	67 – 64 – 1 10 – 30 %
	Aliphatic Esters	Mixture 30 – 60 %
	Dimethyl Ether	115 – 10 – 6 30 – 60 %
	Liquid Aromatic Hydrocarbons – High Flash Pt	Mixture 10 – 30 %
	Pigments / Extenders (Non – Hazardous)	Not Known 10 – 30 %
	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.



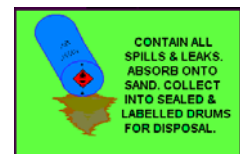
Flammability Hazardous Decomposition Products

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 MEASUREMENTS

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***

Liquid Aromatic Hydrocarbons = Not Known Acetone = 1200 mg/m³.
Dimethyl Ether = Not Known Aliphatic Esters = Not Known
When applying the product, ensure there is adequate ventilation during the application period.

PERSONAL PROTECTION

Inhalation
AS –NZZ 1715/16
Eye
AS –NZZ 1337

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.

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

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

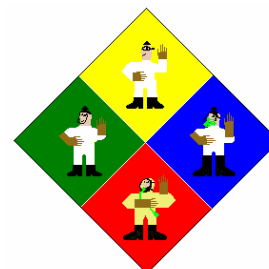
It is advisable to wear enclosed footwear during the application period

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

Hearing
AS –NZZ 1270
Other Requirements

Not Required.

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



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 coloured liquid with a mild odour.

Not required.

Greater than 1.

40 – 175 °C {literature value}

1.0 {calculated value}

Immiscible

< – 30 °C {literature value}

Lower Explosive Limit = 0.5%

Upper Explosive Limit = 13.0 %

250°C {literature value}

Organic Solvents.

STABILITY and REACTIVITY

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

Stable under normal conditions of use.

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

Avoid contact with heat and all ignition sources.

Incompatible with strong oxidizing agents, acids and moisture.

Will not polymerize.

TOXICOLOGICAL INFORMATION

Inhalation	LC ₅₀	rat	Organic Solvents > 20mg/Litre for 4 hours
Skin	LD ₅₀	rabbit	Organic Solvents > 400 mg/kilogram bodyweight/day
Ingestion	LD ₅₀	rat	Organic Solvents > 200 mg/kilogram bodyweight/day
Eyes & Skin			Organic Solvents – irritant
Sensitization			No data for Organic Solvents

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	EP 3902	Initial Emergency Response Guide	49
HAZCHEM	2Y		
IMDG			

**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 Schedule 5 Poison.	

OTHER INFORMATION

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

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