

HiChem Paint Technologies Pty.Ltd.

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IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

Product Name	CALIPER AND DRUM FINISH – AEROSOL	Code	CP(----)
Product Use	Use for painting of brake components by aerosol spray.		
Ingredients	Name	CAS Number	Proportion w/w
	Toluene	108 – 88 – 3	10 – <30 %
	Xylene	1330 – 20 – 7	10 – <30 %
	Di Methyl Ether	115 – 10 – 6	30 – 60 %
	Colour Pigments/Extenders (Non – Hazardous)	Mixture	1 – <10 %
	Synthetic Resins (Non – Hazardous)	Proprietary	10 – <30 %
	Additives (Non – Hazardous)	Mixture	1 – <10 %

HAZARD IDENTIFICATION

The product is classified both as **Hazardous Substance** and **Dangerous Goods** in accordance to ASCC

Risk Phrases R

12	Extremely Flammable Gas
48,20.	Harmful: danger of serious to health by prolonged exposure by inhalation.
21/22	Harmful in contact with the skin contact and if swallowed.
36/37/38	Irritating to the eyes, respiratory system and skin.
40	Limited evidence of a carcinogenic effect.
51/53/59	Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Dangerous to ozone layer.
63	Possible risk of harm of unborn child.
65/66/67	Harmful. May cause lung damage if swallowed. Repeated or prolonged exposure may cause skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness.

Safety Phrases S

2	Keep out of reach of children.
7/9	Keep containers tightly closed when not in use and also in a well ventilated area.
15	Keep away from heat.
16/33	Keep away from sources of ignition. Take precautionary measures against static electricity.
20/21	When using, do not eat, drink or smoke.
23.5	Do not breathe the vapours and spray mists
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 soap and plenty of water.
36/37/38/39	Wear protective clothing, including knee high boots, elbow length gloves, organic vapour – particulate 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.
57	Use appropriate containment to avoid environmental contamination.
62	If swallowed, do not induce vomiting: seek medical advice immediately. Show the label where possible.

ADG Classification AEROSOLS – with a capacity less than 1 Litre, UN 1950, Class 2.1, HAZCHEM 2Y.

SUSDP Classified as a Schedule S 5 poison.

FIRST AID MEASURES

<i>Inhalation</i>	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.
<i>Ingestion</i>	Unlikely route of exposure. Give 2 glasses of water to drink. If any systems occur, clean DO NOT induce vomiting; seek URGENT medical attention if frothing from the mouth occurs.
<i>Eyes</i>	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.
<i>Skin</i>	If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Seek medical attention if any irritation occurs.
<i>First Aid Facilities</i>	Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations.
<i>Advice to Doctor</i>	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.



FIRE FIGHTING MEASURES

<i>Extinguishing Media and Requirements</i>	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.
<i>Fire Fighting Procedures & Precautions</i>	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.
<i>Flammability Hazardous Decomposition Products</i>	Highly Flammable Gas. Flash Point =< – 25 °C On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide. .



ACCIDENTAL RELEASE MEASURES

<i>Spills and Leaks</i>	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.
<i>Disposal</i>	Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements.
<i>Other Precautions</i>	Avoid contaminating waterways, drains, water courses and sewage.



HANDLING and STORAGE

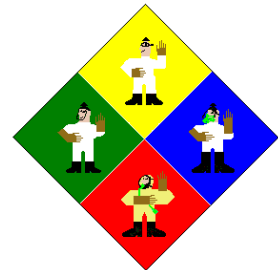
Handling	Keep out of reach of children. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin with soap and water.
Storage	Containers must be clearly labelled, rigid and strong. Store upright in a cool, dry, well ventilated area from heat, ignition sources and direct sunlight e.g. Flammable Goods Store as per AS 1940 requirements.

EXPOSURE CONTROLS

Exposure Standards MAK	Di Methyl Ether = Not Known	Xylene = 350 mg/m ³ .
Exposure Standards STEL	Toluene = 190 mg/m ³ .	
Engineering Controls	Xylene = 655 mg/m ³ .	Toluene = 565 mg/m ³ .
	Di Methyl Ether = Not Known	
	During the spray application period, ensure there is adequate ventilation at all times e.g. preferably with doors and windows open. Do not used in a confined space	

PERSONAL PROTECTION

Inhalation AS -NZS 1715/16	The wearing of an Organic Vapour – Particulate Respirator must be worn during the application period.
Eye AS -NZS 1337	The wearing of safety glasses fitted with side shields must be worn during the application period Do not wear contact lenses.
Gloves AS -NZS 2161	The wearing of Viton or PVC gloves must be worn during the application period.
Footwear AS -NZS 2210	The wearing of enclosed footwear must be worn during the application period.
Clothing AS -NZS 2919	The wearing of anti-static clothing made on natural or synthetic high temperature fibre must be worn during the spray application period.
Hearing AS -NZS 1270	Not required.
Other Requirements	Avoid contact with eyes and skin. Avoid inhaling spray mists and vapours.



PHYSICAL – CHEMICAL PROPERTIES

Appearance	A coloured liquid with a mild odour.	
pH	Not required.	
Vapour Pressure (Butyl Acetate = 1)	Greater than 1.0	
Boiling Point °C	Not Known	
Density	0.85 {calculated value}	
Solubility in water	Immiscible	
Flash Point °C	< - 25 °C {literature value}	
Flammability Limits	Lower Explosive Limit = 1.0 %	Upper Explosive Limit = 13.0 %
Auto Ignition °C	315 °C {literature value}	
Volatile Components	Di Methyl Ether, Toluene and Xylene as organic Solvents	

STABILITY and REACTIVITY

Chemical Stability	Stable under normal conditions of use.
Conditions to avoid	Avoid contact with heat and all ignition sources.
Hazardous decomposition products	On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.
Incompatible materials	Incompatible with strong oxidizing agents
Hazardous Reactions	Will not polymerize.

TOXICOLOGICAL INFORMATION

<i>Health Effects</i>	<i>Risk Phrase</i>	<i>Toluene</i>	<i>Di Methyl Ether</i>	<i>Xylene</i>
Inhalation LC ₅₀ rat	20	>20mgm/L	> 20mgm/L	> 20mgm/L
Dermal LD ₅₀ rabbit	21	12100 mgm/kg	> 2000 mgm/kg	> 2000 mgm/kg
Oral LD ₅₀ rat	22	640 mgm/kg	> 2000 mgm/kg	> 2000 mgm/kg

Note

Risk phrases R20/21/22 has been assigned by the EEC Council Directive 67/548/EEC.

Risk Phrases R20/21/22 – Harmful by inhalation, skin contact or if swallowed.

Acute Oral Toxicity	Moderate 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, nausea, loss of co-ordination and impaired judgement; continued inhalation may result in unconsciousness and/or death.

Health Effects

Inhalation	The inhalation of vapours and spray mist may cause acute irritation in the respiratory tract.
Ingestion	May cause irritation to mucous membranes.
Eyes	Irritating to the eyes, including burning sensation, redness, swelling and/or blurred vision.
Skin	Can have degreasing effect on the skin may result in contact dermatitis..
Carcinogenicity.	Limited evidence of a carcinogenic effect
Mutagenicity	Not mutagenic in animal studies Causes foetotoxicity in animals at doses which are maternally toxic. Does not impair fertility.

ECOLOGICAL INFORMATION

Environment	Toxic to aquatic organisms (R51). May cause long – term adverse effects in the aquatic environment (R53). Danger to ozone layer (R 59).
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DISPOSAL CONSIDERATIONS

Collect all residues and placed into labelled and sealed containers. Do not incinerate or puncture empty containers after use. Crush all small empty containers. 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		
Class	2.1	Subsidiary Risk	Not Required
Packing Group	Not Assigned		
Emergency Procedures		Initial Emergency Response Guide	49
HAZCHEM	2Y		
IMDG			



REGULATORY INFORMATION

SUSDP Classified as a Schedule S 5 poison.

OTHER INFORMATION

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