

Safety Data Sheet

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

The product is identified as **Liquid Chrome Metal Polish**.

1.2 Recommended and restrictions on use.

This substance or mixture is intended for use in the care and maintenance of boats, yachts, and other marine craft specifically those surfaces of gel coated fibreglass or painted steel.

1.3 Details of the supplier

Company Name:	APEX Marine Coatings
Street:	50 Housatonic Avenue, Stratford, CT 06615
E-mail:	mark@apexmarinecoatings.com
Telephone	1-646-706-3462

1.4 Emergency telephone number

Poison Control Center: 1-800-222-1222 (24 hrs)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Irrit. 2; H315
Acute Tox. 5; H303
Flam. Liq. 4; H227

2.2. Label elements

Hazard components for labelling

15 % - < 30 % aliphatic hydrocarbons, 5 % - < 15 % anionic surfactants, perfumes (Citral), preservation agents (Phenoxetol, Laurylamine Dipropylenediamine, Butylbenzisothiazolinone).

Signal Word

Warning

Pictograms



Hazard Statements

H315	Causes skin irritation.
H303	May be harmful if swallowed
H227	Combustible liquid

Precautionary statements

P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection

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P264+P265 Wash hands thoroughly after handling. Do not touch eyes.

P301+P330+P331+P316 IF SWALLOWED: Rinse mouth. Do **NOT** induce vomiting. **Call Poison Control Centre: 1-800-222-1222**

P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352+P362+P364 IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P370+P378 In case of fire: Use water jet or foam to extinguish.

2.3 Other hazards

None.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64742-48-9	hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics (<0,1% benzene)			20 - < 25 %
	918-481-9		01-2119457273-39	
	Asp. Tox. 1; H304 EUH066			
2272-11-9	Monoethanolammonium oleate			5 - < 10 %
	218-878-0			
	Eye Irrit. 2; H319			
	Fragrances			<0,5 %
122-99-6	2-phenoxyethanol			< 1 %
	204-589-7	603-098-00-9	01-2119488943-21	
	Acute Tox. 4, Eye Irrit. 2; H302 H319			
5392-40-5	Fragrance citral			0,01-<0,1 %
	226-394-6	605-019-00-3	01-2119462829-23	
	Skin Irrit. 2, Skin Sens. 1; H315 H317			
2372-82-9	N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine			< 0.1 %
	219-145-8		01-2119980592-29	
	Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, STOT RE 2, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H301 H314 H318 H373 H400 H410			
4299-07-4	2-n-butyl-benzo[d]isothiazol-3-one			< 0.1 %
	420-590-7	606-079-00-3	01-0000016721-74	
	Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 10); H314 H318 H317 H400 H410			

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3.2 Specific Conc. Limits, M-factors and ATE

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Move victim to fresh air. Put victim at rest and keep warm

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Wash hands before breaks and after work.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Do NOT induce vomiting.

Have victim drink large quantities of water, with active charcoal if possible.

In case of accident or unwellness. **Call Poison Control Centre: 1-800-222-1222** (show directions for use or safety data sheet if possible).

4.2. Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3. Indication of any immediate medical attention and special treatment needed

Give activated carbon, in order to reduce the resorption in the gastro-enteric tract.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

5.2. Special hazards arising from the substance or mixture

The vapours are heavier than air and can accumulate in high concentrations on the ground, in cavities, channels and cellars.

5.3. Advice for firefighters

No special fire protection measures are necessary.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

High slip hazard because of leaking or spilled product. Provide adequate ventilation.

6.2. Environmental precautions

Product may not be released into water without pre-treatment. Do not allow to enter into surface water or drains.

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6.3. Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ventilate affected area.

Advice on protection against fire and explosion

No special measures are necessary.

Advice on general occupational hygiene

Avoid eye contact and skin contact.

Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special measures are necessary.

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

Protect against: frost. storage temperature: of °C:0 up to °C: 30

7.3 Specific end use(s)

This substance or mixture is intended for use in the care and maintenance of boats, yachts, and other marine craft specifically those surfaces of gel coated fibreglass or painted steel

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1344-28-1	Aluminium oxides, respirable dust	-	4		TWA (8 h)	WEL

8.2. Exposure controls / personal protection

Protective and hygiene measures

Do not breathe gas/vapour. Avoid contact with eyes. Work in well-ventilated zones or use proper respiratory protection. Wash hands before breaks and after work. After cleaning apply high-fat content skin care cream.

Eye/face protection

Eye protection not required.

Hand protection

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When handling with chemical substances, protective gloves must be worn including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Tested protective gloves are to be worn.

PVC (polyvinyl chloride) (Thickness of the glove material: 0,5mm)

NBR (Nitrile rubber). (Thickness of the glove material: 0,5mm)

PVA (Polyvinyl alcohol). (Thickness of the glove material: 0,5mm)

Viton (Thickness of the glove material: 0,5mm)

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Unsuitable material: CR (polychloroprenes, Chloroprene rubber). Butyl rubber. NR (Natural rubber (Caoutchouc), Natural latex).

Skin protection

Body protection not required.

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	viscous
Color	light violet
Odor	fruity
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range	100-210 °C
Flammability	not determined
Lower explosion limits:	0.6 vol. %
Upper explosion limits:	8.0 vol. %
Flash point:	>65 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value (at 20 °C):	8.0-9.0
Viscosity / kinematic (at 40 °C)	>20.5 mm ² /s
Water solubility:	partially miscible (emulsifiable)
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure (at 20 °C)	approx. 24hpa
Density (at 20 °C)	1,06 g/cm ³

9.2. Other information

Information regarding physical hazard classes

Explosive properties	in use, may form flammable/explosive vapour-air mixture
Self-ignition temperature	
Solid:	not applicable
Gas	not determined
Oxidizing properties	not oxidizing

Other safety characteristics

Evaporation rate	not determined
Solvent separation test	not determined

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Solvent content

25%

Viscosity / dynamic:

not determined

Other Information

* aliphatic hydrocarbons boiling temperature / boiling range 180-220°C

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No risks worthy of mention.

10.4. Conditions to avoid

No risks worthy of mention.

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-48-9	hydrocarbons, C10-C13, n-alkanes, iso-alkanes, cyclic, < 2% aromatics (<0,1% benzene)				
	oral	LD50 mg/kg >5000	rat		
	dermal	LD50 mg/kg >5000	rbt		
	inhalation vapour	LC50 mg/l	Vapour pressure: to low	4h max.5mg/l	
122-99-6	2-phenoxyethanol				
	oral	LD50 mg/kg > 1850	Rat		
	dermal	LD50 mg/kg > 2000	Rabbit		
2372-82-9	N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine				
	oral	ATE mg/kg 100			

Irritation and corrosivity

Causes skin irritation.

Sensitising effects

Based on available data, the classification criteria are not met.

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Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

May be harmful if swallowed.

Additional information on tests

Has de-greasing effect on the skin. Apply skin care products after work

11.2 Information on other hazards

Has de-greasing effect on the skin. After cleaning apply high-fat content skin care cream

SECTION 12: Ecological information

Not required by OSHA HCS.

Contact APEX Marine Coatings for additional information.

SECTION 13: Disposal considerations

Not required by OSHA HCS.

Dispose in accordance with applicable regulations. Do not discharge to sewer. Refer to Section 8 for exposure controls.

SECTION 14: Transport information

Not required by OSHA HCS.

SECTION 15: Regulatory information

Not required by OSHA HCS.

SECTION 16: Other information

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