

Safety Data Sheet

Metal Sheen

Mountain Cleaning Products

Issue Date: October 2016

Valid to: October 2021


SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

Trade Name:	Metal Sheen
Synonyms:	NA
Chemical Formula:	NA
CAS Number:	NA
Product Uses:	Cleans and shines stainless steel hardware such as balustrades, handrails and boat trim.
Supplier/Manufacturer:	Mountain Cleaning Products
Address:	7/7/ Snow St, South Lismore, NSW 2480
Telephone:	02 6622 8733
Fax:	02 6622 8744
Email:	support@mountaincleaning.com.au
Website:	www.mountaincleaning.com.au
Emergency Telephone:	13 11 26 (Poisons Information Centre)

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification:	Flammable liquids (Category 2). Skin irritation (Category 2). Eye irritation (Category 2A). Specific target organ toxicity – single exposure (Category 3). Specific target organ toxicity – repeated exposure (Category 2). Aspiration hazard (Category 1). Toxic to reproduction (Category 2).
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LABELLING ELEMENTS:

Signal Word:	Danger
Pictogram(s):	
Hazard Statements(s):	H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation.

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	<p>H336 May cause drowsiness or dizziness. H361 Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.</p>
Precautionary Statement(s):	<p>Prevention P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ventilation/lighting equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Do not breathe fume/mist/vapours/spray. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves and eye protection/face protection. P281 Use personal protective equipment as required.</p> <p>Response P301 + P310 IF SWALLOWED: Immediately call a poison centre or doctor. P331 Do not induce vomiting. P303 + P353 + P361 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTRE (13 11 26) or doctor if you feel unwell. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/attention. P321 Specific treatment, see First Aid measures on this Safety Data Sheet.</p>

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	P332 + P313 If skin irritation occurs: Get medical advice/attention. P362: Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use normal foam/water spray for extinction. P391 Collect spillage.
Storage:	P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
Disposal:	P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	CAS No.s	Percentage (w/w)	Classification
Solvent naphtha (petroleum), light aliphatic	64742-89-8	60%	H225 + H304 + H315 + H336 + H373 + H361
Components:			
n-Hexane	110-54-3	10 – 30%	
Ethylbenzene	100-41-4	<10%.	
Note: Above material contains < 0.1% benzene			
Polymer (proprietary)		10 – 30%	H318

SECTION 4: FIRST AID MEASURES

First Aid Facilities:	Normal washroom facilities. Safety shower and emergency eye-wash.
Eye Contact:	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Avoid rinse water entering uncontaminated eye. Seek medical advice.
Skin Contact:	Remove contaminated clothing and wash before reuse. Wash contaminated skin with plenty of soap and water. Seek medical advice if irritation, burning or redness develops.
Inhalation:	Remove victim to fresh air away from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position, keep warm and at rest. If breathing is laboured and patient cyanotic (blue), ensure airways are clear

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	and have qualified person give oxygen through a face-mask. If breathing has stopped apply artificial respiration at once. Seek immediate medical advice.
Ingestion:	Do NOT induce vomiting (to avoid aspiration). Do NOT attempt to give anything by mouth to an unconscious person. If conscious, rinse mouth thoroughly with water and give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice.
Advice to Doctor:	Extreme care must be used to prevent aspiration. Gastric lavage with a cuffed endotracheal tube to prevent further aspiration should be carried out. In the absence of depression or convulsions, or impaired gag-reflex, ipecac emesis can also be done without increasing the hazard of aspiration. When vomiting occurs, hold patient with head below the hips to prevent pulmonary aspiration. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.
Scheduled Poisons:	Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons. Phone Australia 13 11 26.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazard:	Highly flammable liquid. Product may form a flammable/explosive vapour/air mix during use. Electrostatic charges may be generated during handling. Hazardous combustion products include carbon monoxide, carbon dioxide and other, possibly toxic, gases and vapours when burning. Product will float can be ignited on surface water. The product's vapour is heavier than air and can spread along the ground, so distant ignition is possible.
Extinguishing Media:	Use normal foam, or a fine water spray or fog, dry chemical powder or carbon dioxide. Do not use a water jet.
Fire Fighting:	Move container away from fire area if this can be done without risk. Do not scatter spilt material with high-pressure water streams. Avoid inhalation of by products of combustion. Fire fighters to wear self-contained breathing apparatus if risk of

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	exposure to products of combustion or decomposition. Evacuate area and move to high ground upwind of fire.
Flash Point:	-30 °C (Abel) approx.
Hazchem Code:	3YE

SECTION 6: ACCIDENTAL RELEASE MEASURES

Minor Spills:	Do not normally require special clean-up measures. Contain and absorb into dry, inert material.
Major Spills:	For example transport accident or bulk spill. Remove all sources of ignition; increase ventilation and clear area of unprotected and unnecessary personnel. Isolate hazard area and deny entry. Prevent spillage from entering drains or watercourses. Wear appropriate protective equipment (see section 8) to prevent skin and eye contamination and contamination of clothing. Spilt material may result in a slip hazard. Contain spillage, then cover/absorb spill into dry, inert material (e.g. sand, earth or vermiculite), collect mechanically and place into suitable containers, appropriately labeled, for disposal e.g. incinerated at high temperature, by an approved agent according to local conditions. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.
PPE:	Personal protective equipment advice is contained in Section 8 of this document.

SECTION 7: HANDLING AND STORAGE

Handling:	Highly flammable product. Avoid breathing vapours and contact with skin, eyes and clothing. Wear protective clothing when there is a risk of exposure. Use in well ventilated area. Prevent concentrations in hollows and sumps. Do not enter confined spaces until atmosphere has been checked and cleared. Avoid smoking, naked lights and any other ignition sources. Electrostatic charges may be generated during transfer and discharge may cause fire. Do not eat, drink or smoke when
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	handling. Always keep containers closed when not in active use. Wash hands with soap and water after handling. Contaminated work clothes should be laundered separately and always before reuse. Guard against spontaneous combustion of improperly discarded soiled rags.
Storage:	Store in a cool, dry, place with good ventilation away from all sources of ignition and out of direct sunlight. Store away from incompatible materials (see Section 10). Keep containers closed at all times when not in use.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS: None established for this product or ingredients.

Ingredient	TWA	STEL	Notes
Light aliphatic solvent	450mg/m ³		
n-Hexane	72mg/m ³ ; 20ppm		

Personal Protection:	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling and engineering controls and according to risk assessments undertaken. Protective equipment outlined below should be available.
Engineering Controls:	Ensure ventilation is adequate to maintain air concentrations below exposure standards. Avoid generating mists and vapours of product. Ensure airflow is directed away from operator, where product is used.
Eye and Face Protection:	Chemical goggles.
Hand and Skin Protection:	Wear solvent resistant gloves, nitrile or PVC for longer-term protection and neoprene for short-term use. When using large quantities or where heavy contamination is likely, wear coveralls, rubber boots and a PVC apron.
Inhalation Protection:	Not normally required under normal use conditions. Where airborne levels cannot be maintained below exposure level, use an appropriate organic vapour cartridge respirator in line with the requirements of AZ/NZS 1715 and 1716. For emergencies or instances where the exposure levels are not known, use a

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full-face piece positive-pressure, air-supplied respirator.
WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres. EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATION OR IDLH CONDITIONS: Positive pressure, with full-facepiece SCBA (self contained breathing apparatus) or positive pressure, full-facepiece SAR (supplied air respirator) with an auxiliary positive pressure SCBA. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid		
Odour:	Paraffinic sweet	Vapour Pressure:	Typical 34.5 mm Hg
Odour Threshold:	Not available	Vapour Density:	4.7 (air = 1)
pH:	Not applicable	Relative Density (Water=1):	0.82 @ 25 °C
Melting/Freezing Point:	Not known.	Water Solubility:	Not miscible
Boiling Point (Initial and Range):	50 - 135 °C approx.	Partition Coefficient n-Octanol/Water	Not available
Flash Point:	-30 °C (Abel) approx.	Auto-ignition Temperature	280 °C approx.
Evaporation Rate:	Not available	Decomposition Temperature	Not available
Flammability:	Highly flammable	Viscosity	Non viscous
Upper/Lower Flammability:	LEL 1%; UEL 7.5%		

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions of use.

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Chemical Stability:	Stable under normal conditions of storage and use.
Possibility of Hazardous Reactions:	Product can decompose on combustion, or thermal or oxidative decomposition, to form carbon monoxide, carbon dioxide and other, possibly toxic, gases and vapours.
Conditions to Avoid:	Avoid contact with sources of ignition as well as extremes of temperature and direct sunlight. Guard against spontaneous combustion of improperly discarded soiled rags.
Incompatible Materials:	Strong oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

Inhaled:	Vapours can produce mucous membrane and respiratory irritation. Prolonged exposure to vapours may cause drowsiness and narcosis.
Skin Contact:	Irritating to skin. May dry and defat the skin, leading to contact dermatitis.
Eye Contact:	May cause irritation, watering and redness.
Ingestion:	Swallowing can result in lung damage, as product tends to break into a foam if vomited and aspiration may cause lung damage.
Acute Toxicity:	Not toxic (oral) by calculation. No LD50 data available for this product. For main constituent, light aliphatic solvent (at 100%): Oral LD50 (rat) >2000mg/kg For constituent, polymer (at 100%): Oral LD50 (rat) >5000mg/kg No reproductive toxicity data for this product. For main constituent, light aliphatic solvent (at 100%): Causes foetal toxicity in animals at doses that are maternally toxic. Affects reproductive system in animals at doses that produce other toxic effects (n-hexane).
Chronic:	No information available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Chronic aquatic toxicity (Category 2). No LC50 data available for this product. Do not let product reach waterways, drains and sewers. Very
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	toxic to aquatic organisms and may cause long-term adverse effects.
Persistence and Degradability:	Majority ingredient stated to be biodegradable. Oxidises by photochemical reactions in air.
Bioaccumulative Potential:	Has potential to bioaccumulate.
Mobility in Soil:	No data available.
Other Adverse Affects:	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:	Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.
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SECTION 14: TRANSPORT INFORMATION

ADG Code Classification:	Dangerous goods.
UN No.:	1993
Proper Shipping Name:	FLAMMABLE LIQUIDS, N.O.S.
Transport Hazard Class:	3 – Flammable Liquid
	
Packing Group:	II
Hazchem Code:	3YE
Environmental Hazards for Transport:	Toxic to aquatic organisms with long-lasting effects.

SECTION 15: REGULATORY INFORMATION

SUSMP (Poison Schedule):	S5 Caution.
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SECTION 16: OTHER INFORMATION

Acronyms:	<p>ADG – Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p>AICS – Australian Inventory of Chemical Substances.</p> <p>CAS No. – Chemical Abstract Service Number used to uniquely identify chemical compounds.</p> <p>GHS – Globally Harmonised System.</p> <p>HAZCHEM – An emergency action code that gives information to emergency services during transport emergencies.</p> <p>IARC – International Agency for Research on Cancer.</p> <p>LD50 – Lethal Dose, 50%/median Lethal Dose.</p> <p>Mg/m³ – Milligrams per cubic metre.</p> <p>PPM – Parts per million.</p> <p>STEL – Short Term Exposure Limit.</p> <p>STOT – SE/RE – Specific Target Organ Toxicity (single/repeated exposure).</p> <p>SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p>TWA/OEL – Time Weighted Average or Occupational Exposure limit.</p>
Literature References:	<p>Australian Code For The Transport Of Dangerous Goods By Road And Rail – 7th Edition.</p> <p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice. December 2011 – Safe Work Australia.</p> <p>GHS Hazardous Chemical Information List - September 2014 – Safe Work Australia.</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. April 2012 - Safe Work Australia.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS). Fifth revised edition.</p> <p>List of Designated Hazardous Substances [NOHSC: 10005(1999)]</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons. June 2016.</p> <p>Material Safety Data Sheets for individual raw materials – all suppliers.</p> <p>Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(1999)].</p>
Revision History:	<p>Rev 1.0 Initial SDS for GHS compliance.</p>

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Prepared By: | Mountain Cleaning Products Regulatory Service.

END OF SDS