



SAFETY DATA SHEET LIQUID REFELCTION

1. IDENTIFICATION

Product Name	Liquid Reflection Fine Metal Polish
Other Names	Liquid Reflection, Reflection Tube, Reflection Paste
Uses	Used for polishing Stainless Steel, Chrome Plate, Aluminium, Brass, Yatch Fitting, Cutlery, Bullbars, Wheels, Kitchen Sinks and Kitchenwares
Chemical Family	Available
Chemical Formula	No Data Available
Chemical Name	No Data Available
Product Description	No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Website and Phone
Sime Darby Transport (NZ) Limited, Trading as TWL	920 Halswell Junction Road Christchurch 8042 New Zealand	W: www.twlnz.co.nz P: 0508 677 704
Omikron Auto Detailing Products PTY LTD	12 McPherson Rd, Smeaton Grange NSW 2567	W: www.omikron.com.au P: 02 9824 5966

Emergency Contact Details

For emergencies only; DO NOT contact these companies for general purpose advice.

Organisation	Location	Telephone
National Poisons Centre	Anywhere in New Zealand	0800 764 766 (0800 POISON)
Poisons Information Centre	Westmead NSW	1800 251 525
Chemcall	Australia	131 126 1800 127 406

2. HAZARDS INDENTIFICATION

Poisons Schedule (Aust) - Globally Harmonised System

Hazard Classification Not classified as hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

HAZARD Ratings:

- Body Contact-1.
- Reactivity-1
- Chronic-2
- Toxicity-2
- Fammability-1

Carcinogen Status: No significant ingredient is classified as carcinogenic by the following ASCC, NTP ,IARC.

Risk Phrases:

- R65. Harmful: May cause lung damage if swallowed.
- R66. Repeated exposure may cause skin dryness or cracking.
- R67. Vapours may cause drowsiness and dizziness.

Emergency Contact Number:

National Poisons Centre 0800 764 766 (0800 POISON) from anywhere in New Zealand
Poisons Information Centre: 13 1126 from anywhere in Australia

Safety Phrases:

S13. Keep away from food drink and animal feeding stuffs.
 S23. Do not breathe vapour.
 S36. Wear suitable protective clothing and eye wear.
 S35. In this material and its container must be disposed of in a safe way.
 S38. In the case of insufficient ventilation, you must wear a suitable respiratory equipment.
 S51. Use only in well ventilated areas.
 S62. If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.
 S401. Cleaning of the floor area or any objects contaminated by this material, you can use warm soapy water.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Entity	CAS NO	Proportion
Alumina Oxide	1344-28-1	5-8 %
Hydrocarbon Solvent	64742-48-9	5-10 %
Fatty Oil/Wax	61790-12-3	10-20 %
Amine Soap	102-71-6	5.0 %
Water	7732-18-5	20-30 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed:

If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.
 If vomiting occurs you need to lean the patient forward or place onto their side, so this can maintain an open airway and prevent aspiration and observe the patient carefully.
 You should never give any liquid to a person that is showing any signs of being sleepy or with reduced awareness' unconsciousness.

Eye:

Rinse eyes immediately with plenty of fresh running water and seek medical advice.
 Make sure a complete irrigation of the eye is done by keeping the eyelid open, apart and away from the eye moving the eyelids by occasionally lifting the upper and lower eyelids.
 Always make sure that the removal of contact lenses after an eye injury is only done by a skilled person.

Skin:

Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before re-use.
 Seek medical attention in the event of irritation.

Inhaled:

If any fumes or combustion products are inhaled please remove from contaminated area. Lay patient down, keep warm and rested.
 Check to see if any prostheses are present such as false teeth which may block their airway and should be removed prior to initiating first aid procedures.

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Apply artificial respirator if not breathing and preferably with a demand valve resuscitator, bad valve mask device or the pocket mask as trained than PERFORM CPR if necessary.

Advice To Doctors:	Treat according to symptoms and signs observed of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
Medical Conditions Aggravated by Exposure:	No information available on medical conditions aggravated by exposure to this product

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use foam, dry chemical or water spray or carbon Dioxide to extinguish fire
Unsuitable Extinguishing Media:	Avoid the use of streaming water, as this could cause the fire to spread
Hazard from Combustion products	Smoke, Fumes, Vapours and Oxides of carbon and various hydrocarbons
Precautions for Fire Fighters	See also Section 4 "First Aid Measures" and Section 10 "stability and Reactivity"

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

Keep public away. Shut off source if possible to do so without hazard. Beware: spills are slippery. Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimise the effect on groundwater. Contain spilled liquid with sand or earth.

Methods and materials for containment and clean up:

Scrape up with shovels and place in suitable containers for disposal. Consult an expert on disposal of recovered material to ensure conformity to local disposal regulations. See Section 4 "First Aid Measures" and Section 10 "Stability and Reactivity".

7. HANDLING AND STORAGE

Precautions for safe handling:

Keep container closed. Handle with care. Compatibility with plastic materials may vary; we therefore recommend that compatibility be tested prior to use.

Conditions for safe storage:

Store in a cool, well-ventilated place away from direct sunlight and other heat sources. Protect from freezing or product may separate. Container remains hazardous when empty (see also Section 13). Continue to observe all precautions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure standards:	No information available.	
Biological limit values:	No biological limit allocated.	
Engineering controls:	Ventilation is required as for all polishing operations. Use only in a well-ventilated area.	
Personal protective equipment:	Eye protection	Wear safety glasses.
	Skin protection	Wear long sleeves and PVC or nitrile gloves.
	Respiratory protection	Wear a type P1 disposable mask or higher.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Viscous white liquid / Paste
Odour	Ammonia odour
Colour	White
PH	9.5
Vapour Pressure	(20 °C) : < 0.001 kPa. (38 °C) : < 0.001 kPa
Boiling Point	60 °C
Melting Point	No data available
Freezing Point	0 °C
Solubility in Water:	Exact figure not available, but product is dispersible in water.
Specific Gravity:	1.15
Flashpoint:	No data available
Auto Ignition Temp	No data available
Evaporation Rate	No data available
Bulk Density	No data available
Corrosive Rate	No data available
Decomposition Temperature	No data available
Density	No data available
Specific Heat	No data available
Molecular Weight	No data available
Net Propellant Weight	No data available
Octanol Water Coefficient	No data available
Particle Size	No data available
Partition Coefficient	No data available
Saturated Vapour Concentration	No data available
Vapour Temperature	No data available
Viscosity	No data available
Volatile Percent	No data available
VOC Volume	No data available
Additional Characteristics	No data available
Potential for Dust Explosion	No data available
Fast or Intensely Burning Characteristics	No data available
Flame Propagation or Burning Rate of Solid Materials	No data available
Non-Flammables the could Contribute to Unusual hazards to a Fire	No data available
Properties that May initiate or Contribute to Fire Intensity	No data available

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Reactions that release Gases or Vapours No data available

Release of invisible Flammable Vapours and Gases No data available

10. STABILITY AND REACTIVITY

Chemical Stability: Stable product

Conditions to Avoid: Protect from freezing or product may separate.

Materials to Avoid: No data available

Hazardous Decomposition No data available

Products Hazardous Polymerisation No Data available

Incompatible Materials: Avoid strong oxidising products.

Hazardous Decomposition Products: None known

Hazardous Reactions: Low hazard. Material can form flammable mixtures or can burn only upon heating to temperatures at or above the flash point, which is > 66 °C (PMCC). Before the flash point temperature can be reached all water in the product has to boil off.

11. TOXICOLOGICAL INFORMATION

Acute Inhalation: CNS depression characterized by dizziness and headache. May cause irritation of the respiratory system. Prolonged exposure to vapours may cause somnolence and narcosis.

Skin contact: Moderately irritating to skin. Repeated and prolonged contact may lead to dermatitis

Eye contact: May injure tissue, severely irritating.

Ingestion: Nausea, vomiting, cough and pulmonary aspiration. If large quantity ingested (3g/kg) and retained, symptoms of CNS depression and irritation occur and include weakness, dizziness, unconsciousness and convulsions.

Chronic: No data is available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No acute toxicity to aquatic organisms is expected. Long term adverse effects to aquatic organisms are not expected.

Persistence and degradability:

The hydrocarbon solvent component in this product biodegrades rapidly and is readily biodegradable according to OECD guidelines. Other components are not hazardous according to the criteria of the NOHSC.

Mobility:

This product will not float. It will migrate into the sediment. It is expected to have low mobility.

13. DISPOSAL CONSIDERATIONS

Empty containers should be drained almost completely by inverting them. After draining, vent the empty container in a safe place to allow any remaining hydrocarbon solvent to biodegrade. The remaining material is not hazardous according to the criteria of the NOHSC.

The generator of the waste has the responsibility for proper waste classification, transportation disposal. Classify waste under applicable state and local regulations.

14. TRANSPORT INFORMATION

Proper Shipping Name	Liquid Reflection Fine Metal Polish
Class:	N/A
Subsidiy Risk	N/A
EPG	N/A
UN Number	N/A
Hazchem Code	N/A
Pack Group	N/A
Special Provision	N/A
Dangerous Good Classification	This product is not classified as dangerous according to IATA regulations. Protect from freezing or product may separate.

15. REGULATORY INFORMATION

ACIS:	All of the materials / ingredients in this formulation comply to the NICNAS regulations.
SUSDP Schedule:	This product is not listed on any schedule of the SUSDP as the concentration of the liquid hydrocarbon solvent is < 25%.

16. OTHER INFORMATION

Product Code REFL25015,20

ORGANISATION	TELEPHONE	ASK FOR
Poisons Information Centre	131126	
Omikron Auto Detailing Pty Ltd	02 9824 5966	Luke Doven
Fire Brigade	000	Fire Brigade
Police	000	Police

This Safety Data Sheet Summarises at the date of issue our best knowledge of the health and safety hazard information of the products, and in particular how to safely handle and use the product in the workplace. Since Omikron Auto Detailing Products Pty Ltd cannot participate or control the conditions under which the product may be used, each user must, prior to usage, review this Safety Data Sheet in the context of how the user intends to handle and use the product in the workplace.

END OF Safety Data Sheet

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