

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (Material) Name	: LIQUID REFLECTION
Product Code	: REFL25015,20
Other Names	: LIQUID REFLECTION, REFLECTION TUBE, REFLECTION PASTE
Recommended Use	: Viscous liquid abrasive composition for polishing paints and plastics.
Manufacturer	Euromarc 203 Glover Rd Hawera NZ
Phone	: 0800 278 600 (Monday to Friday, 8.00 am to 4.30 pm)
Email	: sales@euromarc.co.nz
Emergency Contact Number	: National Poisons Centre 0800 764766 (0800POISON)

2. HAZARDS IDENTIFICATION

Hazard Classification by nature	: NON-DANGEROUS GOODS according to NOHSC criteria and the ADG code.
HAZARD ratings (scale:0 is low & 4 is high)	: Body Contact- 2 : Reactivity-1 : Chronic-3 : Toxicity- 2 : Flammability-1
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.
Safety Phrases	: S01. Keep locked up. : 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 / MIXTURES INFORMATION ON INGREDIENTS

COMPOSITION	CAS NO	PERCENTAGE
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

Inhalation

: 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.

: 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.

Skin contact

: 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.

Eye contact

: 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.

Ingestion/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.

Advice to Doctor

: 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.

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.

Hazards from combustion products

: Smoke,fumes,vapours and oxides of carbon and also 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Viscous white liquid.
Odour	: Ammonia odour
PH	: 9.5
Vapour pressure (20 °C)	: < 0.001 kPa
Vapour pressure (38 °C)	: < 0.001 kPa
Vapour density (101.3 kPa/air = 1)	: > 1.00
Boiling point	: 60 °C
Freezing point	: 0 °C
Solubility	: Exact figure not available, but product is dispersible in water.
Specific gravity	: 1.15

10. STABILITY AND REACTIVITY

Chemical stability	: Stable.
Conditions to avoid	: Protect from freezing or product may separate.
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 and disposal. Classify waste under applicable state and local regulations.

14. TRANSPORT INFORMATION

Land : This product is not classified as dangerous according to the criteria of the Australian Dangerous Goods Code (ADG Code).

Sea : This product is not classified as dangerous according to IMDG regulations.

Air : This product is not classified as dangerous according to IATA regulations.

Additional information : Protect from freezing or product may separate.

15. REGULATORY INFORMATION

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

The date of preparation of this MSDS was December 21, 2010.

This MSDS was prepared with reference to the MSDS for each component of this material, and with reference to the following documents:

Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008 (1999)].

Australian Code for the Transport of Dangerous Goods by Road and Rail, 6th Edition, (ADG Code).

List of Designated Hazardous Substances [NOHSC: 10005 (1999)].

National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition [NOHSC: 2011(2003)].

Standard for the Uniform Scheduling of Drugs and Poisons, No. 18. (Effective date May 2, 2003.)

Key to abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
MSDS	Material Safety Data Sheet
NOHSC	National Occupational Health and Safety Commission
OECD	Organisation for Economic Co-operation and Development
PMCC	Pensky-Martens Closed Cup
STEL	Short Term Exposure Limit
SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons
TLV	Threshold Limit Value
TWA	Time Weighted Average

Disclaimer:

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