

Ferro Finishing Pty Ltd

MATERIAL SAFETY DATA SHEET: "Liquid Reflection"

Effective date: May 28, 2004

Page 1 of 7

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (Material) Name: LIQUID REFLECTION

Other Names: None

Recommended Use: Viscous liquid abrasive composition for polishing metals.

Supplier: Ferro Finishing Pty Ltd
29 Skinner Ave
Riverwood, NSW, 2210
Australia

Phone: (02) 9534 1155 (Monday to Friday, 8.00 am to 4.30 pm)

Fax: (02) 9533 4679

Contact person: Technical Officer

Emergency Contact Number: 13 11 26 (Australian Poisons Information Centre, 24 hours.)

2. HAZARDS IDENTIFICATION

Hazard Classification: HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

This product is classified as hazardous according to the criteria of the NOHSC. (Harmful X_n.)

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

Risk Phrases: R65. Harmful: May cause lung damage if swallowed.
R66. Repeated exposure may cause skin dryness or cracking.

Safety Phrases: S2. Keep out of the reach of children.
S23. Do not breathe vapour.
S24. Avoid contact with skin.
S26. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39. Wear eye protection.
S51. Use only in well ventilated areas.
S62. If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.

MATERIAL SAFETY DATA SHEET: "Liquid Reflection"

Effective date: May 28, 2004

Page 2 of 7

3. COMPOSITION / INFORMATION ON INGREDIENTS

Contains 24.8 % w/w of liquid hydrocarbon solvent. The CAS number and description of the liquid hydrocarbon solvent is: 64742-47-8 "Distillates (petroleum), hydrotreated light". Contains 75.2 % w/w of other ingredients determined not to be hazardous.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Skin contact: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

Eye contact: Flush eyes with water for fifteen minutes while holding eyelids open. If redness, burning, blurred vision, or swelling or other problems persist, transport to nearest medical facility for additional treatment.

Ingestion: If swallowed, DO NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Advice to Doctor: May cause central nervous system depression. Dermatitis may result from prolonged or repeated exposure. Potential for chemical pneumonitis. Consider gastric lavage with protected airway, administration of charcoal.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not use a water jet. Do not discharge extinguishing waters into the aquatic environment.

Hazards from combustion products: Carbon monoxide may be evolved if incomplete combustion occurs. Vapours may be heavier than air and spread along the ground so distant ignition may be possible.

Precautions for Fire Fighters: Wear full protective clothing and self-contained breathing apparatus. See also Section 4 "First Aid Measures" and Section 10 "Stability and Reactivity".

Hazchem code: Not applicable.

MATERIAL SAFETY DATA SHEET: "Liquid Reflection"

Effective date: May 28, 2004

Page 3 of 7

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: None allocated.

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 P2 disposable mask or higher.

MATERIAL SAFETY DATA SHEET: "Liquid Reflection"

Effective date: May 28, 2004

Page 4 of 7

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous white liquid.

Odour: Faint pine fragrance.

pH: 9

Vapour pressure: Data not available.

Vapour density: Data not available.

Boiling point: 100 °C

Freezing point: 0 °C

Solubility: Exact figure not available, but product is dispersible in water.

Specific gravity: 1.5

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: Carbon monoxide may be evolved if incomplete combustion occurs.

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 > 73 °C (PMCC).

MATERIAL SAFETY DATA SHEET: "Liquid Reflection"

Effective date: May 28, 2004

Page 5 of 7

11. TOXICOLOGICAL INFORMATION

Acute:

Inhalation: May cause mild irritation.

Skin contact: Expected to be of low toxicity: LD50 > 2000 mg/kg (rat). Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Skin contact may aggravate an existing dermatitis condition.

Eye contact: Will cause irritation.

Ingestion: Expected to be of low toxicity: LD50 > 2000 mg/kg (rat). Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

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 is expected to biodegrade readily, (oxidises rapidly by photo-chemical reactions in air), but has the potential to bio-accumulate. Other components are not hazardous according to the criteria of the NOHSC.

Mobility: This product will not float in water. 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.

MATERIAL SAFETY DATA SHEET: "Liquid Reflection"

Effective date: May 28, 2004

Page 6 of 7

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 < 25.0%.

Ferro Finishing Pty Ltd

MATERIAL SAFETY DATA SHEET: "Liquid Reflection"

Effective date: May 28, 2004

Page 7 of 7

16. OTHER INFORMATION

The date of preparation of this MSDS was May 28, 2004.

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:

The information in this document relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process. Such information is to the best knowledge of Ferro Finishing Pty Ltd, and is believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy him or herself as to the suitability and completeness of such information for their own particular use.

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