

Ferro Finishing Pty Ltd

MATERIAL SAFETY DATA SHEET: "Zero Swirl"

Effective date: April 28, 2004

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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (Material) Name: ZERO SWIRL

Other Names: Not applicable.

Recommended Use: Viscous liquid abrasive composition for polishing paints and plastics.

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

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: 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Contains 10.2 % w/w of hydrocarbon solvent. The CAS number and description of the hydrocarbon solvent is: 64742-46-7 "Distillates (petroleum), hydrotreated middle. OEL".

Contains 89.8 % w/w of other ingredients determined not to be hazardous.

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4. FIRST AID MEASURES

Inhalation: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

Skin contact: Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before re-use.

Eye contact: Rinse eyes immediately with plenty of water and seek medical advice.

Ingestion: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

Advice to Doctor: Treat according to symptoms.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use foam, dry chemical or water spray to extinguish fire.

Hazards from combustion products: No unusual.

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".

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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: Under certain conditions (open heating and/or mechanical shear), the following component with a recognised or recommended Occupational Exposure Limit value may be released:

Mineral oil mist: TWA 5 mg/m³, STEL 10 mg/m³, for oil mist, vapour excluded, ACGIH, (2002).

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 grey liquid.

Odour: Odourless.

pH: 8

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: 100 °C

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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 > 130 °C (PMCC). Before the flash point temperature can be reached all water in the product has to boil off.

11. TOXICOLOGICAL INFORMATION

Acute:

Inhalation: High vapour/aerosol concentrations (greater than approximately 700 ppm, attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anaesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

Skin contact: Low order of toxicity. 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 mild irritation.

Ingestion: Minimal toxicity. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death.

Chronic: No data is available for this product.

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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%.

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16. OTHER INFORMATION

The date of preparation of this MSDS was April 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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