



# MATERIAL SAFETY DATA SHEET

Version: 1  
Last Updated: 14.11.2007  
Sheet 1 of 4  
Product Code: IF0405

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product Name: Multigrind NF 400

Description: Full synthetic grinding fluid concentration.

Company: Ryona Engineering Supplies LTD  
Unit 2, Holbrook park estate, Holbrooks, Coventry, CV64AB  
Tel: 02476 665454 Fax: 02476 665453

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

A water based metalworking fluid containing polyalkylene glycols, corrosion inhibitors and additional performance additives together with a fluorescent dyestuff and an efficient bactericide.

CAS Registry No: n/a  
EINECS Number: n/a  
Risk Phrases: R36/37 – Irritating to eyes and respiratory system  
Safety Phrases: R24 – Avoid contact with skin

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## 3. HAZARD IDENTIFICATION

No classified as hazardous under CHIP 2 Regulations.

### Hazardous Ingredients

Diethanolamine	0.75%	Xi	R36/38
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## 4. FIRST AID MEASURES

Skin: Wash off with copious amounts of water. If irritation persists seek medical attention.

Eyes: Irrigate with plenty of cold water. If irritation persists seek medical attention.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

Ingestion: If more than a few drops swallowed give patient water to drink. Do not induce vomiting.

### Seek Medical Advice

When anyone has symptoms apparently due to swallowing, inhalation or contact with eyes. Persons who have inhaled fumes produced in a fire or in a chemical reaction may not show immediate symptoms. They must be taken to hospital with this MSDS. Patient should be kept under medical observation for at least 48 hours.

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### 5. FIRE FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, foam, sand, earth or dry chemical.

Fire Fighting Measures: Keep containers cool by spraying with water if exposed to fire. Keep upwind. Danger of toxic hazard.

Protective Equipment: Self-contained breathing apparatus. Wear protective clothing.

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### 6. ACCIDENTAL RELEASE MEASURES

Contain spillage in sand or with absorbent granules.

Dispose of according to Local Regulations. If allowed to enter drains and or water courses, contact Local Water Authority (Environmental Protection Act 1990).

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### 7. HANDLING AND STORAGE

Handling: Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing. Avoid the formation of mists in the air. Avoid direct contact with the substance.

Storage: Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Do not store in areas where food and drink are taken. Do not store near combustible materials.

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### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

In accordance with good industrial practice – handle using gloves / gauntlets and standard eye protections.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Colour:	Amber / green clear solution
Odour:	Light
pH Of Aqueous Dispersion:	8.5 (5% aqueous)
Boiling Point:	> 100°C
Melting Point:	< 0°C
Viscosity:	n/a
Flashpoint:	> 100°C
Flammability Solid / Gas:	n/a
Autoflammability:	> 150°C
Explosive Properties:	n/a
Oxidising Properties:	n/a
Vapour Pressure:	n/a
Density @ 15.6°C:	1.05
Water Solubility:	Miscible

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### 10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use.

Hazardous Reactions: Avoid contact with strong oxidizing agents.

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### 11. TOXICOLOGICAL INFORMATION

Oral: Expected to cause discomfort, nausea and diarrhoea.

Dermal: Neat product may cause defatting of the skin barrier on prolonged contact.

Skin: Expected to be an irritant. Neat product may cause skin cracking and soreness.

Eyes: Expected to be an irritant. Neat product may cause corneal injury if treatment is not prompt.

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### 12. ECOLOGICAL INFORMATION

Biodegradation: Biodegradable in a public sewage treatment plant based on testing of analogous products.

Fish Toxicity: The components are not expected to be highly toxic to aquatic life. If released in water the product may deplete the oxygen supply to bottom dwelling organisms.

Bacterial Toxicity: No data.

WGK Class: WGK 2 – Self Classification.

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### 13. DISPOSAL CONSIDERATIONS

All means of disposal should comply with local regulations and the Environmental Protection Act 1990. Dispose of the product and containers carefully and responsibly.

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### 14. TRANSPORT INFORMATION

UN Name: N.A.  
UN Number: N.A.  
IMDG Code / Class: N.A.  
ICAO / IATA (Air) Class: N.A.  
RID / ADR Class: N.A.  
ADNR Class: N.A.

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### 15. REGULATORY INFORMATION

Occupational Exposure Limits: n/a

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### 16. OTHER INFORMATION

Legislation: Chemical (Hazards, Information and Packaging) Regulations 1993  
Environmental Protection Act 1990, Control Of Pollution Act 1974  
The Environmental Protection (Duty Of Care) Regulations 1991