

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

Product Name: RESSOL WHITEWATER EP

Application: High performance, emulsion soluble cutting fluid.

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

Composition: A blend of of refined mineral oils, surfactants, corrosion inhibitors, non-phenolic coupling agents and EP agents.

CAS Registry No: None

EINECS No: None

Risk Phrases: None

Safety Phrases: None

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### 3. HAZARD IDENTIFICATION

Classified as Irritant. Xi.

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### 4. FIRST AID MEASURES

Eye Contact: Irrigate with plenty of cold water

Skin Contact: Wash off with copious amounts of soap and water

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

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### 5. FIRE FIGHTING MEASURES

Not considered flammable and does not constitute a fire hazard.

Extinguishing Media: Carbon Dioxide, dry powder, sand, foam or fog of water spray. Do not use a jet of water direct from a hose since this will, in probability, spread the fire.

Protective Equipment

For Fire Fighters: Standard

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### 6. ACCIDENTAL RELEASE MEASURES

Notification Procedures: Report spills as requested to appropriate authorities such as the local Environmental Health Officer or Fire Brigade. If spills are likely to enter any drain, waterway or ground water, contact the Area Water Authority. In case of accident or road spill, contact the Police and Fire Brigade and, if appropriate, the Area Water Authority.

Procedure If Material Is Released Or Spilled: Contain and absorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate licensed waste disposal site in accordance with current applicable laws and regulations and product characteristics at time of disposal.

Environmental Precautions: Prevent spills from entering storm sewers or drains and contact with soil.

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### 7. HANDLING AND STORAGE

Handling: No special precautions are necessary beyond normal good hygiene practices.

Storage: Do not store in areas where food and drink are taken. Keep drums tightly closed and if stored outside then store on sides in order to reduce ingress of water. Do not store in open or unlabelled containers.

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### 8. EXPOSURE CONTROL

Ventilation: No special requirements under ordinary conditions of use and with adequate ventilation.

Respiratory Protection: No special requirements under ordinary conditions of use and with adequate ventilation.

Eye Protection: Normal industrial eye protection practices should be employed.

Skin Protection: No special equipment required. However, good personal hygiene practices should always be followed

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Amber
Odour:	Bland
pH Of Aqueous Solution:	7 – 9 (5% aqueous emulsion)
Boiling Point:	> 100 °C
Melting Point:	n.a.
Viscosity:	22 cSt @ 40 °C
Flashpoint:	> 150 °C
Flammability Solid / Gas:	n.a.
Autoflammability:	> 150 °C
Explosive Properties:	n.a.
Oxidising Properties:	n.a.
Vapour Pressure:	n.a.
Density:	0.899 @ 15.6 °C
Water Solubility:	Emulsifiable in all proportions
Other Solubility:	n.a.
Bulk Density:	n.a.
Partition Coefficient octanol / water:	n.a.

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### 10. STABILITY AND REACTIVITY

Thermal Decomposition:	Stable under normal conditions of use
Hazardous Reactions:	None under normal conditions of use. Avoid contact with strong oxidizing agents.

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### 11. TOXICOLOGICAL INFORMATION

Oral:	Expected to possess a relatively low degree of acute oral toxicity. May cause nausea, vomiting and diarrhoea.
Dermal:	Expected to be relatively non-toxic by dermal route.
Inhalation:	Low volatility makes inhalation unlikely at ambient temperatures.
Skin:	May cause dermatitis and in severe cases may cause wart-like growths which may turn cancerous.
Eyes:	May cause transient irritation.

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### 12. ECOLOGICAL INFORMATION

Water: The individual components range from readily to poorly biodegradable. Mineral oil itself has limited biodegradability when tested by method CEC L-33-T-82. The components are not expected to be highly toxic to aquatic life. If released into water the product may deplete the oxygen supply to bottom dwelling organisms.

Soil: Small quantities may be absorbed in the upper soil layers where biodegradation may take place. Larger quantities may penetrate into anaerobic soil layers in which case some organic compounds (e.g. mineral oils) may persist. Some components will be capable of penetrating the soil to cause groundwater contamination.

WGK Class: WGK 0 or 1 – 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 container carefully and responsibly.

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### 14. TRANSPORT INFORMATION

UN Name: Not Assigned  
UN Number: Non Hazardous  
IMDG Code / Class: Non Hazardous  
ICAO / IATA (Air) Class: Non Hazardous  
RID / ADR Class: Non Hazardous  
ADNR Class: Non Hazardous

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### 15. REGULATORY INFORMATION

Occupational Exposure Limits: This product does not have an established Occupational Exposure Limit (OES) or Maximum Exposure Limit (MEL). However, it does contain mineral oil which has an OES for oil mist of 5 mg/m<sup>3</sup> (8 hour TWA).

Risk Phrases: R36/38 – Irritating to eyes and skin

Safety Phrases: S36/37/39 – Wear suitable protective clothing, gloves and eye / face protection.

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### 16. OTHER INFORMATION

Carriage of Dangerous Goods By Road & Rail (Classification, Packaging and Labelling) Regulations  
Chemical (Hazards, Information and Packaging for Supply) Regulations  
Control of Substances Hazardous to Health Regulations  
Environmental Protection Act