

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Product Name: RESCOOL PREMIUM
Product Code: IC0667
EC No: n/a
REACH Registration No: n/a
CAS No: n/a

1.2 Relevant Identified Uses Of The Substance / Mixture And Uses Advised Against

Identified Uses: Metal working fluid
Uses Advised Against: Do not use in other applications unless specified

1.3 Details Of The Supplier Of The Safety Data Sheet

Supplier: Ryona Engineering Supplies LTD Unit 2, Holbrook park estate, Holbrooks, Coventry, CV64AB
Tel: 02476 665454
Fax: 02476 665453
Email: Sales@ryona-supplies.co.uk

1.4 Emergency Telephone Number

Tel: (+44) (0) 1924 494371 (not 24hrs)

2. HAZARDS IDENTIFICATION

2.1 Classification Of The Substance/Mixture

Classification In Accordance With (EC) No. 1272/2008 [CLP]:

Eye Irrit. 2

Hazard Statements: H319 Precautionary Statements: P264; P280; P305+351+338; P337+313

For Full Text Of Hazard And Precautionary Statements, See Section 16

2.2 Label Elements

Labelling According To Regulation (EC) No. 1272/2008 [CLP]:

Hazard Pictogram:



Signal Wording: Warning

Hazard Statements: H319 – Causes serious eye irritation

Precautionary Statements: P264 – Wash hands thoroughly after handling.
P280 – Wear protective gloves / protective clothing / eye protection / face protection.
P305+351+338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 – If eye irritation persists: Get medical advice / attention.

2.3 Other Hazards

PBT: This product is not identified as a PBT / vPvB substance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixture Components

Hazardous Ingredients

	<u>EINECS</u>	<u>CAS</u>	<u>CLP CLASSIFICATION</u>	<u>%</u>
Sulfonic Acids, Petroleum, Sodium Salts	271-781-5	68608-26-4	Eye Irrit. 2: H319	1 – 10%
Isotridecanol, Ethoxylated (2.5-5EO)	931-138-8	69011-36-5	Eye Dam. 1: H318	1 – 10%
2,2'-Oxybisethanol	203-872-2	111-46-6	Acute Tox. 4; H302	1 – 10%

Other Information:

For Full Text Of Hazard Statements, See Section 16

4. FIRST AID MEASURES

4.1 Description Of First Aid Measures

Skin: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eyes: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

4.2 Most Important Symptoms And Effects, Both Acute And Delayed

Skin: Occasional contact with undiluted product is unlikely to cause significant reaction. Prolonged contact with undiluted product may cause defatting of skin barrier, leading to cracking and soreness.

Eyes: Eye contact with undiluted product may cause moderate irritation and stinging. There may be a potential to cause corneal injury if treatment is not prompt. Dilute emulsions are expected to cause only slight transient irritation or redness.

Ingestion: The product has a low order of acute oral toxicity; ingestion is not regarded as a significant hazard likely to arise in normal use.

Inhalation: The product is unlikely to present any significant hazard at ambient temperatures. High temperatures or atomising systems may lead to generation of vapours, mists or fumes which could cause irritation to eyes and respiratory tract. Repeated excessive exposure to oil mists may cause respiratory damage and a condition resembling pneumonia.

Delayed / Immediate Effects: Immediate effects can be expected after short-term exposure. Delayed effects can be expected after long term exposure.

4.3 Indication Of Any Immediate Medical Attention And Special Treatment Needed

Eye bathing equipment should be available on the premises.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media: Suitable extinguishing media for the surrounding fire should be used. Alcohol resistant foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2 Special Hazards Arising From The Substance/Mixture

Exposure Hazards: In combustion emits toxic fumes.

5.3 Advice For Firefighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment And Emergency Procedures

Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not attempt to take action without suitable protective clothing – see Section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental Precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods And Materials For Containment And Clean Up

Clean Up Procedures: Absorb into dry earth or sand. Transfer to closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference To Other Sections

Refer to Section 8 of SDS.

7. HANDLING AND STORAGE

7.1 Precautions For Safe Handling

Avoid direct contact with substance.

7.2 Conditions For Safe Storage, Including Any Incompatibilities

Store in dry conditions between 0°C and 40°C.

7.3 Specific end use(s)

PC25: Metal working fluids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Hazardous Ingredients: 2,2'-OXYBISETHANOL

Workplace Exposure Limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	101 mg/m3	-	-	-

DNEL / PNEC: No data available

8.2 Exposure Controls

Respiratory Protection: Respiratory protection not required.

Hand Protection: Wear oil impervious gloves when handling undiluted product. Prolonged or repeated contact with diluted metalworking fluid is often unavoidable, in such circumstances the use of barrier and after work cream may be beneficial.

Eye Protection: Safety goggles. Face-shield. Ensure eye bath is to hand.

Skin Protection: Oil resistant protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information On Basic Physical And Chemical Properties

State:	Liquid
Colour:	Brown
Odour:	Barely perceptible odour
Solubility In Water:	Miscible
Viscosity:	Viscous
Kinematic Viscosity:	100 – 200
Viscosity Test Method:	Kinematic viscosity in 10-6 m2/s at 40°C (ISO 3219)
Boiling Point / Range:	> 100°C
Flash Point:	> 100°C
Autoflammability:	No data available
Relative Density:	1.01
pH:	9.0 – 9.4

9.2 Other Information

No data available.

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility Of Hazardous Reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions To Avoid

Heat.

10.5 Incompatible Materials

Strong oxidizing agents.

10.6 Hazardous Decomposition Products

In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information On Toxicological Effects

Hazardous Ingredients: ISOTRIDECANOL, ETHOXYLATED (2.5-5EO)

DERMAL	RAT	LD50	>2000	mg/kg
DERMAL	RAT	LD50	>2000	mg/kg

Toxicity Values: No data available.

Skin Contact: Occasional contact with undiluted product is unlikely to cause any significant reaction. Prolonged contact with undiluted product may cause defatting of skin barrier, leading to cracking and soreness.

Eye Contact: Eye contact with undiluted product may cause irritation and stinging. There may be a potential to cause corneal injury if treatment is not prompt. Dilute emulsions are expected to cause only slight transient irritation or redness.

Ingestion: The product has a low order of acute oral toxicity; ingestion is not regarded as a significant hazard likely to arise in normal use.

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Delayed / Immediate Effects: Immediate effects can be expected after short-term exposure. Delayed effects can be expected after long-term exposure.

12. ECOLOGICAL INFORMATION

General:

12.1 Toxicity

Hazardous Ingredients: ISOTRIDECANOL, ETHOXYLATED (2.5-5EO)

ALGAE	72H EC50	> 1-10	mg/l
DAPHNIA	48H EC50	> 1-10	mg/l
FISH	96H LC50	> 1-10	mg/l

12.2 Persistence And Degradability

Biodegradable.

12.3 Bioaccumulative Potential

No bioaccumulative potential.

12.4 Mobility In Soil

Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

This product is not identified as a PBT / vPvB substance.

12.6 Other Adverse Effects

Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Disposal Operations: Transfer to a suitable container and arrange for collection by a specialized disposal company.

NB – The users attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

This product does not require a classification for transport.

15. REGULATORY INFORMATION

15.1 Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. OTHER INFORMATION

This Safety Data Sheet is prepared in accordance with Commission Regulation (EU) No 435/2010.

Hazard (H-Phrases) And Precautionary (P-Phrases) Statements In Full

Hazard phrases: H302: Harmful if swallowed.
 H318: Causes serious eye damage.
 H319: Causes serious eye irritation.

Legend To Abbreviations:

PNEC = predicted no effect level
DNEL = derived no effect level
LD50 = median lethal dose
LC50 = median lethal concentration
EC50 = median effective concentration
LC50 = median inhibitory concentration
dw = dry weight bw = body weight
cc = closed cup oc = open cup
MUS = mouse HAM = hamster
GPG = guinea pig RBT = rabbit
HMN = human MAN = mammal
IVN = intravenous
SCU = subcutaneous
SKN = skin
DRM = dermal
OCC = ocular / corneal
PCP = physico-chemical properties

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