

SAFETY DATA SHEET Ref. No.	51297
-----------------------------------	-------

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	ROCOL ULTRACUT 390H
Manufacturer/Supplier	ROCOL Lubricants
Address	ROCOL House, Swillington, Leeds, LS26 8BS, ENGLAND
Phone Number	+44 (0) 113 232 2700
Fax Number	+44 (0) 113 232 2760
Emergency Phone Number	+44 (0) 113 232 2600

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Hazardous Components in Product for EC

Component Name	Codes	Concentration	R Phrases	Classification
BORIC ACID ALKANOMIDE		20.00 - 30.00	R36	Xi
FATTY ACID AMIDE		5.00 - 15.00	R36/38	Xi
ETHOXYLATED FATTY ALCOHOL	009004-96-0	1.00 - 10.00	R36/38	Xi
CARBOXYMETHYLATED POLYGLYCOL ETHER		1.00 - 5.00	R36/38	Xi
R36	R36 Irritating to eyes.			
R36/38	R36/38 Irritating to eyes and skin.			
Xi	Xi - Irritant			

3. HAZARD IDENTIFICATION

Main Hazards	Irritating to eyes.
Health Effects - Eyes	Liquid may cause pain, transient irritation and superficial corneal effects.
Health Effects - Skin	Material may cause slight irritation on prolonged or repeated contact.
Health Effects - Ingestion	Swallowing may have the following effects:- irritation of mouth, throat and digestive tract. nausea.
Health Effects - Inhalation	Exposure to mist at high concentrations may have the following effects:- irritation of nose, throat and respiratory tract.

4. FIRST AID MEASURES

First Aid - Eyes	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
First Aid - Skin	Wash skin with soap and water. Apply a reconditioning skin cream.
First Aid - Ingestion	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.
First Aid - Inhalation	Diluted product - Remove from exposure.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	Do not use water jet.
Special Hazards of Product	This product may give rise to hazardous fumes in a fire.
Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Material can create slippery conditions underfoot.
Environmental Precautions	Try to prevent the material from entering drains or water courses.
Spillages	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Finally flush area with plenty of water.

7. HANDLING AND STORAGE

Handling	It is important to ensure that the recommended dilution ratio of all cutting fluids is correctly maintained. See product label or technical data sheet for the correct dilution ratio.
Storage	Storage temperature should be controlled to between 1 and 40 °C. Where outside storage of drums is unavoidable, they should be stored horizontally to avoid ingress of water.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

OIL MIST, MINERAL	UK EH40: OES 5mg/m ³ 8h TWA. UK EH40: OES 10mg/m ³ 15min TWA.
Engineering Control Measures	Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.
Respiratory Protection	Respiratory protection not normally required.
Hand Protection	Concentrated product - PVC or rubber gloves. Diluted product - Use a good quality barrier cream.
Eye Protection	Chemical goggles if there is a risk of eye contact.
Body Protection	Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Green.
Odour	Faint.
pH	Range between 9 to 10.
Boiling Range/Point (°C)	Boils above 100.
Flash Point (PMCC) (°C)	Exceeds 100.
Solubility in Water (kg/m ³)	Emulsifies.
Density (kg/m ³)	1. (measured as kg/litre)
Auto-flammability (°C)	Above 100.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
-----------	---------------------------------

Conditions to Avoid	High temperatures.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Combustion will generate: smoke, possibly thick and choking, resulting in zero visibility.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Low order of acute toxicity.
-----------------------	------------------------------

12. ECOLOGICAL INFORMATION

Mobility	The product will leach into soil. The product is involatile and water soluble and will partition to the aqueous phase.
Persistence/Degradability	The product is partially or slowly biodegradable.


13. DISPOSAL

Product Disposal	Dispose of in accordance with all applicable local and national regulations.
Container Disposal	Labels should not be removed from containers until they have been cleaned. Dispose of containers with care. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

UN Class	Not classified.
ADR/RID - Class	Not classified.
IMDG - Class	Not classified.
IATA - Class	Not classified.

15. REGULATORY INFORMATION

Labelling Information		Irritant				
R phrases	Concentrated product - R36 Irritating to eyes.					
S phrases	Concentrated product - S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.					

16. OTHER INFORMATION

Product Use	For industrial use only. Metal cutting lubricant.
MSDS first issued	3 September 1997
MSDS data revised	30 November 2001

17. NATIONAL LEGISLATION

EC Legislation	<p>EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations.</p> <p>EC Directive 88/379/EEC relating to the classification, packaging and labelling of dangerous preparations.</p>
UK Guidance Publications	<p>EH40, Occupational Exposure Limits, HSE. Revised Annually.</p> <p>IND(G) 166L: Management of Metalworking Fluids (wallchart), HSE.</p> <p>IND(G) 168L: Management of Metalworking Fluids - a guide to good practice for minimising risks to health,</p>

		HSE. IND(G) 169L: Metalworking Fluids and You, HSE.
<p>To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This Safety Data Sheet, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.</p>		