



106-3775

SAFETY DATA SHEET

ROCOL ULTRACUT 250

51257 1.00 GB Current 03.09.1997

SAFETY DATA SHEET Ref. No. 51257			
1. PRODUCT AND COMPANY IDENTIFICATION			
Trade Name	ROCOL ULTRACUT 250		
Manufacturer/Supplier	ROCOL Limited		
Address	ROCOL House, Swillington, Leeds, LS26 8BS, ENGLAND.		
Phone Number	+44 (0) 113 2322700		
Fax Number	+44 (0) 113 2322760		
Emergency Phone Number	+44 (0) 113 2322600		
2. COMPOSITION/INFORMATION ON THE COMPONENTS			
Hazardous Components in Product for EC			
Component Name	CAS Number	Concentration	R Phrases
1. SEVERELY REFINED MINERAL OIL		65.00 - 80.00	
2. FATTY ACIDS, TALL OIL, REACTION PRODUCTS WITH IMMINODIETHANOL AND BORIC ACID		10.00 - 30.00	R38, R51/53
			Xi, N
R38	Irritating to skin.		
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.		
N	N - Dangerous to the Environment		
Xi	Xi - Irritant		
3. HAZARD IDENTIFICATION			
Main Hazards	Irritating to eyes and skin.		
Health Effects - Eyes	Liquid may cause pain, transient irritation and superficial corneal effects.		
Health Effects - Skin	Material will cause irritation. Diluted product - Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.		
Health Effects - Ingestion	Swallowing may have the following effects:- irritation of mouth, throat and digestive tract. nausea. Diluted product - nausea.		
Health Effects - Inhalation	Diluted product - Exposure to mist may have the following effects:- Some cases of respiratory problems arising from continuous use have been reported.		
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.		



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5. FIRE FIGHTING MEASURES (continued)	
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	1. OIL MIST, SEVERELY REFINED MINERAL OIL UK EH40: OES 5mg/m3 8h TWA. UK EH40: OES 10mg/m3 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	Clear. Brown.
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/m3)	Emulsifies.
Density (kg/m3)	0.92. (measured as kg/litre)
Auto-flammability (°C)	Above 100.
Viscosity (cSt)	295 at 21 °C. (typical)
10. STABILITY AND REACTIVITY	
Stability	Stable under normal conditions.
Conditions to Avoid	High temperatures.



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10. STABILITY AND REACTIVITY (continued)	
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Combustion will generate: smoke, possibly thick and choking, resulting in zero visibility. Combustion may also generate: hydrogen chloride.
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 expected to be resistant to biodegradation.
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 - Irritating to eyes and skin.
S phrases	Concentrated product - Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of: soap and water.
16. OTHER INFORMATION	
Product Use	For industrial use only. Metal cutting lubricant.
MSDS first issued	3 September 1997
MSDS data revised	
Revisions Highlighted	COMPLETELY REVISED 8/97
17. NATIONAL LEGISLATION	
EC Legislation	EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations. EC Directive 88/379/EEC relating to the classification, packaging and labelling of dangerous preparations.
UK Guidance Publications	EH40, Occupational Exposure Limits, HSE. Revised Annually. EH58, The Carcinogenicity of Mineral Oils.



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17. NATIONAL LEGISLATION (continued)

IND(G) 166L: Management of Metalworking Fluids (wallchart), HSE.
IND(G) 168L: Management of Metalworking Fluids - a guide to good practice for minimising risks to health, HSE.
IND(G) 169L: Metalworking Fluids and You, HSE.

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 MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.