



SAFETY DATA SHEET

ROCOL PR Spray

72015 1.00 GB Current 19.08.1997

SAFETY DATA SHEET Ref. No.		72015		
1. PRODUCT AND COMPANY IDENTIFICATION				
Trade Name	ROCOL PR Spray			
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	Classification
1. ISOPARAFFINIC HYDROCARBON (<0.1% W/W BENZENE)	90622-56-3	10.00 - 30.00	R11, R65	F, Xn
2. HYDROCARBON AEROSOL PROPELLANT (<0.1% 1,3 BUTADIENE)	68476-85-7	60.00 - 70.00	R12	F+
R11	Highly flammable.			
R12	Extremely flammable.			
R65	Harmful: may cause lung damage if swallowed			
F	F - Highly flammable			
F+	F+ - Extremely flammable			
Xn	Xn - Harmful			
3. HAZARD IDENTIFICATION				
Main Hazards	Extremely flammable.			
Health Effects - Eyes	Liquid may cause slight transient irritation.			
Health Effects - Skin	Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.			
Health Effects - Ingestion	Swallowing may have the following effects:- nausea, drowsiness.			
Health Effects - Inhalation	Exposure to vapour at high concentrations may have the following effects:- drowsiness.			
4. FIRST AID MEASURES				
First Aid - Eyes	Wash out eye with plenty of water. 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	Do not induce vomiting. Obtain medical attention.			
First Aid - Inhalation	Remove from exposure.			
5. FIRE FIGHTING MEASURES				
Extinguishing Media	Keep containers and surroundings cool with water spray. Use foam, dry chemical or carbon dioxide.			
Unsuitable Extinguishing Media	Do not use water jet.			
Special Hazards of Product	Containers may explode in heat of fire. 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	Eliminate all sources of ignition. Ventilate the area. Material can create slippery conditions underfoot.
Environmental Precautions	Try to prevent the material from entering drains or water courses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.
Spillages	Allow to evaporate if it is safe to do so or contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.
7. HANDLING AND STORAGE	
Handling	Use in well ventilated area.
Storage	Storage temperature should be kept below 50 °C. Storage area should be out of direct sunlight.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Occupational Exposure Standards	
1. ISOPARAFFINIC HYDROCARBON (<0.1% W/W BENZENE)	An exposure limit of 280ppm (1200mg/m ³) 8h TWA is recommended.
2. HYDROCARBON AEROSOL PROPELLANT (<0.1% 1,3 BUTADIENE)	Occupational exposure standards for significant components are: UK EH40: OES 1750mg/m ³ 8h TWA. UK EH40: OES 2180mg/m ³ 15min TWA. (LPG) UK EH40: OES 1450mg/m ³ 8h TWA. UK EH40: OES 1810mg/m ³ 15min TWA. (Butane) The minimal atmospheric oxygen concentration should be 18% by volume under normal atmospheric pressure.
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 if there is a risk of exposure to high vapour concentrations.
Hand Protection	Use a good quality barrier cream.
Eye Protection	Chemical goggles if there is a risk of eye contact.
Body Protection	Normal work wear.
Protection During Application	During application, adequate ventilation must be provided.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical State	Liquid.
Colour	Almost colourless.
Odour	Characteristic.
Boiling Range/Point (°C)	Boils above 90.
Flash Point (PMCC) (°C)	<0 (based on major component)
Explosion Limits (%)	Not determined.
Solubility in Water (kg/m ³)	Insoluble.
Vapour Pressure (mm.Hg./20 °C)	>2000



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9. PHYSICAL AND CHEMICAL PROPERTIES (continued)	
Density (kg/m ³)	0.6. (measured as kg/litre)
Auto-flammability (°C)	Above 200.
Viscosity (cSt)	Mobile liquid at ambient temperatures.
Vapour Density (Air = 1)	Heavier than air.
Evaporation Rate	>1 (referenced as n-butyl acetate = 1)
10. STABILITY AND REACTIVITY	
Stability	Stable under normal conditions
Conditions to Avoid	Temperatures in excess of 50 °C. Exposure to direct sunlight.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Combustion will generate: silica, 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 is volatile/gaseous and will partition to the air phase. If released to water the product will float.
Persistence/Degradability	The product is expected to be resistant to biodegradation.
Bio-accumulation	Product is not expected to bioaccumulate.
13. DISPOSAL	
Product Disposal	Dispose of in accordance with all applicable local and national regulations.
Container Disposal	Plastic caps and empty aerosols may be recycled via appropriate routes. Empty aerosols may be disposed of by authorised landfill. Do not incinerate closed containers.
14. TRANSPORT INFORMATION	
UN Number	1950
UN Proper Shipping Name	Aerosols, flammable, n.o.s.
UN Class	2.1
UN Packaging Group	II
ADR/RID Substance Identification Number	1950
ADR/RID - Description	Aerosols.
ADR/RID - Class	2
ADR/RID - Item No.	5°F
IMDG - Proper Shipping Name	Aerosol Dispensers.
IMDG - Packaging Group	II
IMDG - Class	2
IMDG - Ems Number	2-13
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14. TRANSPORT INFORMATION (continued)	
IATA - Proper Shipping Name	Aerosols, flammable, n.o.s.
IATA - Packaging Group	II
IATA - Class	2.1
Tremcard No. TEC(R)	20G26
15. REGULATORY INFORMATION	
Labelling Information	Extremely flammable
R phrases	Extremely flammable.
S phrases	Keep away from sources of ignition - No Smoking. Use only in well ventilated areas. Do not breathe spray. Keep out of reach of children.
16. OTHER INFORMATION	
Product Use	For industrial use only. Release agent.
MSDS first issued	19 augusti 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. EC Directive 94/1/EC adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of Member States relating to aerosol dispensers.
UK Guidance Publications	EH40, Occupational Exposure Limits, HSE. Revised Annually. CHIP 97 Guidance on Regulations (ISBN 0-7176-1366-6) page 39 para. 155 - reference application of the aspiration hazard (R65) to aerosols.
<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 MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user.</p>	