



SAFETY DATA SHEET

ROCOL Chain & Drive Spray

22001 2.00 GB Current 16.07.1996

SAFETY DATA SHEET Ref. No.		22001													
1. PRODUCT AND COMPANY IDENTIFICATION															
Trade Name	ROCOL Chain & Drive 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															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Hazardous Components in Product for EC Component Name</th> <th style="text-align: left;">Concentration</th> <th style="text-align: left;">R Phrases</th> <th style="text-align: left;">Classification</th> </tr> </thead> <tbody> <tr> <td>1. Hydrogenated hydrocarbon CAS 64742-49-0</td> <td>20.00 - 50.00</td> <td>R10</td> <td>f</td> </tr> <tr> <td>2. White spirit CAS 64742-88-7</td> <td>2.00 - 20.00</td> <td>R10</td> <td>f</td> </tr> </tbody> </table>				Hazardous Components in Product for EC Component Name	Concentration	R Phrases	Classification	1. Hydrogenated hydrocarbon CAS 64742-49-0	20.00 - 50.00	R10	f	2. White spirit CAS 64742-88-7	2.00 - 20.00	R10	f
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3. HAZARD IDENTIFICATION															
Main Hazards	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. Keep warm and at rest. Seek medical attention if you feel unwell.														
5. FIRE FIGHTING MEASURES															
Extinguishing Media	Use foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.														
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.														
Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus.														
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6. ACCIDENTAL RELEASE MEASURES	
Personal Precautions	Eliminate all sources of ignition. Ventilate the area. Wear appropriate protective clothing.
Environmental Precautions	Try to prevent the material from entering drains or water courses.
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 area should be: out of direct sunlight. Storage temperature should be kept below 50 °C.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Occupational Exposure Standards 1. Hydrogenated hydrocarbon CAS 64742-49-0 *** Revised *** An exposure limit of 300ppm is recommended. 2. White spirit CAS 64742-88-7	UK EH40: OES 100ppm 8h TWA. UK EH40: OES 125mg/m ³ 15min TWA. 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.
Engineering Control Measures	
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	Brown.
Odour	Characteristic.
Boiling Range/Point (°C)	Boils above 150. (based on major component)
Flash Point (PMCC) (°C)	40
Explosion Limits (%)	0.6 to 7.0. (based on major component)
Solubility in Water (kg/m³)	Insoluble.
Vapour Pressure (mm.Hg./20 °C)	<2
Density (kg/m³)	0.85. (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	<0.5 (referenced as n-butyl acetate = 1)
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10. STABILITY AND REACTIVITY	
Stability	Stable under normal conditions.
Conditions to Avoid	Exposure to direct sunlight. Temperatures in excess of 50 °C.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Combustion will generate: oxides of sulphur, 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. 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	
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	2.2
UN Packaging Group	II
ADR/RID Substance Identification Number	1950
ADR/RID - Description	Aerosols.
ADR/RID - Class	2
ADR/RID - Item No.	10b1
IMDG - Proper Shipping Name	Aerosol Dispensers.
IMDG - Packaging Group	II
IMDG - Class	9
IMDG - Marine Pollutant	No.
IMDG - Ems Number	2-13
IMDG - MFAG Table Number	311
IATA - Proper Shipping Name	Aerosols, flammable, n.o.s.
IATA - Packaging Group	II
IATA - Class	2.1
Tremcard No. TEC(R)	20G26-2
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15. REGULATORY INFORMATION (continued)

Labelling Information



Flammable

R phrases

Flammable.

S phrases

Keep away from sources of ignition - No Smoking. Do not breathe spray. Use only in well ventilated areas. Keep out of reach of children.

16. OTHER INFORMATION

Product Use

For industrial use only. Lubricant.

MSDS first issued

18 June 1996

MSDS data revised

16 July 1996

Revisions Highlighted

Preparation - Hazardous Components Product Disposal

17. NATIONAL LEGISLATION

EC Legislation

EC Directive 88/379/EEC relating to the classification, packaging and labelling of dangerous preparations.

EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations.

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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.