



## SAFETY DATA SHEET

### ROCOL Chain & Drive Spray

22001 2.00 GB Current 16.07.1996

<b>SAFETY DATA SHEET Ref. No.</b> 22001			
<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>			
<b>Trade Name</b>	ROCOL Chain & Drive Spray		
<b>Manufacturer/Supplier</b>	ROCOL Limited		
<b>Address</b>	ROCOL House, Swillington, Leeds, LS26 8BS, ENGLAND.		
<b>Phone Number</b>	+44 (0)113 2322700		
<b>Fax Number</b>	+44 (0)113 2322760		
<b>Emergency Phone Number</b>	+44 (0)113 2322600		
<b>2. COMPOSITION/INFORMATION ON THE COMPONENTS</b>			
<b>Hazardous Components in Product for EC</b>			
<b>Component Name</b>	<b>Concentration</b>	<b>R Phrases</b>	<b>Classification</b>
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
<b>3. HAZARD IDENTIFICATION</b>			
<b>Main Hazards</b>	Flammable.		
<b>Health Effects - Eyes</b>	Liquid may cause slight transient irritation.		
<b>Health Effects - Skin</b>	Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.		
<b>Health Effects - Ingestion</b>	Swallowing may have the following effects:- nausea, drowsiness.		
<b>Health Effects - Inhalation</b>	Exposure to vapour at high concentrations may have the following effects:- drowsiness.		
<b>4. FIRST AID MEASURES</b>			
<b>First Aid - Eyes</b>	Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.		
<b>First Aid - Skin</b>	Wash skin with soap and water. Apply a reconditioning skin cream.		
<b>First Aid - Ingestion</b>	Do not induce vomiting. Obtain medical attention.		
<b>First Aid - Inhalation</b>	Remove from exposure. Keep warm and at rest. Seek medical attention if you feel unwell.		
<b>5. FIRE FIGHTING MEASURES</b>			
<b>Extinguishing Media</b>	Use foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.		
<b>Unsuitable Extinguishing Media</b>	Do not use water jet.		
<b>Special Hazards of Product</b>	Containers may explode in heat of fire. This product may give rise to hazardous fumes in a fire.		
<b>Protective Equipment for Fire-Fighting</b>	Wear self contained breathing apparatus.		
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<b>6. ACCIDENTAL RELEASE MEASURES</b>	
<b>Personal Precautions</b>	Eliminate all sources of ignition. Ventilate the area. Wear appropriate protective clothing.
<b>Environmental Precautions</b>	Try to prevent the material from entering drains or water courses.
<b>Spillages</b>	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.
<b>7. HANDLING AND STORAGE</b>	
<b>Handling</b>	Use in well ventilated area.
<b>Storage</b>	Storage area should be: out of direct sunlight. Storage temperature should be kept below 50 °C.
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>Occupational Exposure Standards</b>	
1. <b>Hydrogenated hydrocarbon CAS 64742-49-0</b> *** Revised *** An exposure limit of 300ppm is recommended.	
2. <b>White spirit CAS 64742-88-7</b>	
<b>Engineering Control Measures</b>	UK EH40: OES 100ppm 8h TWA. UK EH40: OES 125mg/m <sup>3</sup> 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.
<b>Respiratory Protection</b>	Respiratory protection if there is a risk of exposure to high vapour concentrations.
<b>Hand Protection</b>	Use a good quality barrier cream.
<b>Eye Protection</b>	Chemical goggles if there is a risk of eye contact.
<b>Body Protection</b>	Normal work wear.
<b>Protection During Application</b>	During application, adequate ventilation must be provided.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Physical State</b>	Liquid.
<b>Colour</b>	Brown.
<b>Odour</b>	Characteristic.
<b>Boiling Range/Point (°C)</b>	Boils above 150. (based on major component)
<b>Flash Point (PMCC) (°C)</b>	40
<b>Explosion Limits (%)</b>	0.6 to 7.0. (based on major component)
<b>Solubility in Water (kg/m<sup>3</sup>)</b>	Insoluble.
<b>Vapour Pressure (mm.Hg./20 °C)</b>	<2
<b>Density (kg/m<sup>3</sup>)</b>	0.85. (measured as kg/litre)
<b>Auto-flammability (°C)</b>	Above 200.
<b>Viscosity (cSt)</b>	Mobile liquid at ambient temperatures.
<b>Vapour Density (Air = 1)</b>	Heavier than air.
<b>Evaporation Rate</b>	<0.5 (referenced as n-butyl acetate = 1)
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<b>10. STABILITY AND REACTIVITY</b>	
<b>Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Exposure to direct sunlight. Temperatures in excess of 50 °C.
<b>Materials to Avoid</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Combustion will generate: oxides of sulphur, smoke, possibly thick and choking, resulting in zero visibility.
<b>11. TOXICOLOGICAL INFORMATION</b>	
<b>Acute Toxicity</b>	Low order of acute toxicity.
<b>12. ECOLOGICAL INFORMATION</b>	
<b>Mobility</b>	The product will leach into soil. If released to water the product will float.
<b>Persistence/Degradability</b>	The product is expected to be resistant to biodegradation.
<b>Bio-accumulation</b>	Product is not expected to bioaccumulate.
<b>13. DISPOSAL</b>	
<b>Container Disposal</b>	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.
<b>14. TRANSPORT INFORMATION</b>	
<b>UN Number</b>	1950
<b>UN Proper Shipping Name</b>	Aerosols, flammable, n.o.s.
<b>UN Class</b>	2.2
<b>UN Packaging Group</b>	II
<b>ADR/RID Substance Identification Number</b>	1950
<b>ADR/RID - Description</b>	Aerosols.
<b>ADR/RID - Class</b>	2
<b>ADR/RID - Item No.</b>	10b1
<b>IMDG - Proper Shipping Name</b>	Aerosol Dispensers.
<b>IMDG - Packaging Group</b>	II
<b>IMDG - Class</b>	9
<b>IMDG - Marine Pollutant</b>	No.
<b>IMDG - Ems Number</b>	2-13
<b>IMDG - MFAAG Table Number</b>	311
<b>IATA - Proper Shipping Name</b>	Aerosols, flammable, n.o.s.
<b>IATA - Packaging Group</b>	II
<b>IATA - Class</b>	2.1
<b>Tremcard No. TEC(R)</b>	20G26-2
<b>15. REGULATORY INFORMATION</b>	
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