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SAFETY DATA SHEET

ROCOL CORPLAN COLD GALVANISING SPRAY

69515 2.00 GB EN 23.12.1997 MSDS.EN

SAFETY DATA SHEET Ref. No. 69515

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	ROCOL CORPLAN COLD GALVANISING SPRAY
Manufacturer/Supplier	ROCOL Lubricants
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 No.	Concentration	R Phrases	Classification
WHITE SPIRIT (<0.1% w/w BENZENE)	64742-82-1	1.00 -4.00	R10, R65, R51/53	f, Xn, N
HYDROGENATED HYDROCARBON (<0.1% W/W BENZENE)	64742-48-9	3.00 -8.00	R65, R10	Xn, f
CARBON DIOXIDE AEROSOL PROPELLANT	124-38-9	1.00 -5.00		
DIMETHYL ETHER	000115-10-6	20.00 - 40.00	R12	F+
R10	Flammable.			
R12	Extremely flammable.			
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.			
R65	Harmful: may cause lung damage if swallowed.			
F+	F+ - Extremely flammable			
N	N - Dangerous to the Environment			
Xn	Xn - Harmful			

f	Flammable
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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.
Advice to Physicians	The use of adrenaline and similar sympathomimetic drugs are contra-indicated.

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.
Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus.

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. 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	
WHITE SPIRIT (<0.1% w/w BENZENE)	UK EH40: OES 600mg/m ³ 8h TWA.
HYDROGENATED HYDROCARBON (<0.1% W/W BENZENE)	An exposure limit of 300ppm is recommended.
CARBON DIOXIDE AEROSOL PROPELLANT	UK EH40: OES 5000ppm (9000mg/m ³) 8h TWA. UK EH40: OES 15000ppm (27000mg/m ³) 15min TWA.
DIMETHYL ETHER	UK EH40: OES 400ppm (766mg/m ³) 8h TWA. UK EH40: OES 500ppm (958mg/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 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	Dark Grey.
Odour	Characteristic.
Boiling Range/Point (°C)	Boils above 100.
Flash Point (PMCC) (°C)	<0 (based on major component)
Solubility in Water (kg/m³)	Insoluble.
Density (kg/m³)	1.39. (measured as kg/litre)
Viscosity (cSt)	Mobile liquid at ambient temperatures.
Vapour Density (Air = 1)	Heavier than air.
Evaporation Rate	Not determined.

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: zinc oxide fumes. smoke, possibly thick and choking, resulting in zero visibility.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Low order of acute toxicity.
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12. ECOLOGICAL INFORMATION

Mobility	The product is insoluble in water. If released to water the product will sink. The product is poorly absorbed onto soils or sediments.
Persistence/Degradability	The product is expected to be resistant to biodegradation.
Bio-accumulation	Limited information indicates a potential 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
UN Class	2.2
UK Proper Shipping Name	Aerosols
UK Classification	2.2
UK Transport Category	3
ADR/RID - Class	2
ADR/RID - Item No.	5°A
IMDG - Proper Shipping Name	Aerosols
IMDG - Class	2.2
IMDG - Page No.	2102
IMDG - Ems Number	2-13
IMDG - MFAG Table Number	620
IATA - Proper Shipping Name	Aerosols, 30
IATA - Class	2.1
Tremcard No. TEC(R)	20G26

15. REGULATORY INFORMATION

Labelling Information		Extremely flammable
Labelling Information		
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. Zinc based primer.
MSDS first issued	27 August 1997
MSDS data revised	23 December 1997

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.	
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.		



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