

725-4660

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SAFETY DATA SHEET

LPS COLD GALVANIZE CORROSION INHIBITOR (AEROSOL SPRAY CAN)

25381 1.00 GB EN 06.01.2000 MSDS.EN

SAFETY DATA SHEET Ref. No. 25381

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	LPS COLD GALVANIZE CORROSION INHIBITOR (AEROSOL SPRAY CAN)
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	Codes	Concentration	R Phrases	Classification
XYLENE, MIXTURE OF ISOMERS	001330-20-7	5.00 - 15.00	R10, R20/21, R38	Xn, Xi, f
ACETONE	000067-64-1	10.00 - 20.00	R11	F
ZINC DUST	007440-66-6	30.00 - 40.00	R15, R17	F
HYDROCARBON AEROSOL	68476-85-7	10.00 - 20.00	R12	F+
PROPELLANT (<0.1% 1,3 BUTADIENE)				
R10	R10 Flammable.			
R11	R11 Highly flammable.			
R12	R12 Extremely flammable.			
R15	R15 Contact with water liberates extremely flammable gases.			
R17	R17 Spontaneously flammable in air.			
R20/21	R20/21 Harmful by inhalation and in contact with skin.			
R38	R38 Irritating to skin.			
F	F - Highly flammable			
F+	F+ - Extremely flammable			
Xi	Xi - Irritant			
Xn	Xn - Harmful			
f	Flammable			

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:- irritation of mouth, throat and digestive tract.
Health Effects - Inhalation	Exposure to vapour at high concentrations may have the following effects:- irritation of nose, throat and respiratory tract.

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.
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5. FIRE FIGHTING MEASURES

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 area should be: out of direct sunlight. Storage temperature should be controlled to between 1 and 40 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards XYLENE, MIXTURE OF ISOMERS	UK EH40: OES 100ppm (441mg/m3) 8h TWA. UK EH40: OES 150ppm (662mg/m3) 15min TWA. Can be absorbed through skin. FRG: MAK 100ppm (440mg/m3) 8h TWA. Peak limitation category II, 1 MAK Pregnancy group 0. ACGIH: TLV 100ppm (434mg/m3) 8h TWA. ACGIH: STEL 150ppm (651mg/m3) 15min TWA. A4 - not classifiable as a human carcinogen.
ACETONE	UK EH40: OES 750ppm 8h TWA. UK EH40: OES 1500ppm 15min TWA.
HYDROCARBON AEROSOL PROPELLANT (<0.1% 1,3 BUTADIENE)	Occupational exposure standards for significant components are: UK EH40: OES 1750mg/m3 8h TWA. UK EH40: OES 2180mg/m3 15min TWA. (LPG) UK EH40: OES 1450mg/m3 8h TWA. UK EH40: OES 1810mg/m3 15min TWA. (Butane)
Engineering Control Measures	The minimal atmospheric oxygen concentration should be 18% by volume under normal atmospheric pressure. 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	PVC or rubber gloves.
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	Grey. Opaque.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Odour	Mild. Sweet.
Boiling Range/Point (°C)	138
Flash Point (PMCC) (°C)	27
Explosion Limits (%)	1.2 to 7.
Solubility in Water (kg/m3)	Partially soluble.
Partition Coefficient (Log Pow)	>1
Vapour Pressure (mm.Hg./20 °C)	>20
Density (kg/m3)	2.1.
Vapour Density (Air = 1)	>2
Evaporation Rate	0.6 (referenced as n-butyl acetate = 1)

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: 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

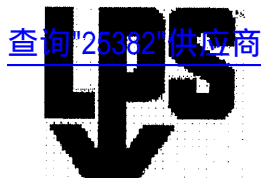
Mobility	The product is insoluble in water. If released to water the product will sink. The product is poorly absorbed onto soils or sediments.
Persistence/Degradability	The product is expected to be resistant to biodegradation.
Bio-accumulation	Product is not expected to bioaccumulate.

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.

14. TRANSPORT INFORMATION

UN Number	1950
UN Proper Shipping Name	Aerosols
UN Class	2.1
UK Proper Shipping Name	Aerosols
UK Classification	2.1
UK Transport Category	2
ADR/RID - Class	2
ADR/RID - Item No.	5°F
IMDG - Proper Shipping Name	Aerosols
IMDG - Class	2.1
IMDG - Page No.	2102
IMDG - Marine Pollutant	No
IMDG - Ems Number	2-13
IMDG - MFAG Table Number	620
IATA - Proper Shipping Name	Aerosols, Flammable
IATA - Class	2.1
Tremcard No. TEC(R)	20G26



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15. REGULATORY INFORMATION

**Labelling
Information**Extremely
flammable**R phrases****S phrases**

R12 Extremely flammable.

S16 Keep away from sources of ignition - No Smoking.

S51 Use only in well ventilated areas.

S23 Do not breathe spray.

S2 Keep out of reach of children.

16. OTHER INFORMATION

Product Use

For industrial use only. Corrosion inhibitor.

MSDS first issued

6 January 2000

MSDS data revised

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.

EH40, Occupational Exposure Limits, HSE. Revised Annually.

UK Guidance Publications

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.