

706-6235

[查询"18107"供应商](#)

SAFETY DATA SHEET Ref. No. 18105

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name ROCOL TUFGEAR SPRAY
 Manufacturer/Supplier ROCOL Limited
 Address ROCOL House,
 Swillington, Leeds,
 LS26 8BS,
 ENGLAND
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2. COMPOSITION/INFORMATION ON THE COMPONENTS**Hazardous Components in Product for EC**

Component Name	Codes	Concentration	R Phrases	Classification
ISOPARAFFINIC HYDROCARBON (<0.1% W/W BENZENE)	90622-56-3	10.00 - 30.00	R11, R65	F, Xn
HYDROCARBON AEROSOL PROPELLANT (<0.1% 1,3 BUTADIENE)	68476-85-7	50.00 - 70.00	R12	F+
SOLVENT REFINED MINERAL OIL	064742-01-4	1.00 - 10.00		
R11	R11 Highly flammable.			
R12	R12 Extremely flammable.			
R65	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 Wash out mouth with water. Do not induce vomiting.
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.
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. 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	
ISOPARAFFINIC HYDROCARBON (<0.1% W/W BENZENE)	An exposure limit of 280ppm (1200mg/m ³) 8h TWA is recommended.
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)
OIL MIST, MINERAL	The minimal atmospheric oxygen concentration should be 18% by volume under normal atmospheric pressure. UK EH40: OES 5mg/m ³ 8h TWA. UK EH40: OES 10mg/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	Black.
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/m³)	Insoluble.
Vapour Pressure (mm.Hg./20 °C)	Not determined.
Density (kg/m³)	0.65. (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: 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 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

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.
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14. TRANSPORT INFORMATION

查询:18167 供应网

UN Number	1950
UN Proper Shipping Name	Aerosols
UN Class	2.1
ADR/RID - Class	2
ADR/RID - Item No.	5°F
IMDG - Proper Shipping Name	Aerosols
IMDG - Class	2.1
IMDG - Page No.	2102
IMDG - Ems Number	2-13
IMDG - MFAAG 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

R phrases

R12 Extremely flammable.

S phrases

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

MSDS first issued	22 August 1997
MSDS data revised	24 December 1997
Product Use	For industrial use only. Lubricant.
Revisions Highlighted	Composition/Information on the Components

Footnote

Transport Information
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. EH40, Occupational Exposure Limits, HSE. Revised Annually.

UK Guidance Publications

CHIP 97 Guidance on Regulations (ISBN 0-7176-1366-6) page 39 para.155 - reference application of the aspiration hazard (R65) to aerosols.

Approved Supply List (Third Edition)(ISBN 0-7176-1116-7) Introduction, page xiv et seq - Notes H & L apply to the complex oil derived constituents of this preparation.

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.