

Chain and Drive Spray

High performance EP chain and conveyor lubricant aerosol

Product Overview

ROCOL® Chain and Drive Spray is a high performance chain and conveyor lubricant.

The unique formula of ROCOL Chain and Drive Spray is designed to ensure maximum performance for penetration, lubrication and corrosion protection.

ROCOL Chain and Drive Spray is also available with MoS₂ - see Chainguard Hi-Load Spray and in fluid form - see Chain and Drive Fluid.

Features and Benefits

- ROCOL Chain and Drive Spray has a wide temperature range of -30°C to +150°C.
- ROCOL Chain and Drive Spray offers outstanding EP performance with a weld load of 200 kg.
- ROCOL Chain and Drive Spray exhibits excellent penetration into the links and pins of the chain.
- ROCOL Chain and Drive Spray has a tenacious water resistant film that dewateres and protects all types of chains in wet or humid environments.
- ROCOL Chain and Drive Spray offers excellent corrosion protection on chains in hostile environments.
- The applied film of ROCOL Chain and Drive Spray has good adhesion, reducing dripping or throw-off.

Directions for Storage and Use

- Shake the can of ROCOL Chain and Drive Spray well.
- Hold the can upright and apply from a distance of 15-30 cm (6-12 inches) ensuring that the chain is coated thoroughly.
- ROCOL Chain and Drive Spray is also available as Chain and Drive Fluid for application by automatic lubricator.
- The storage temperature of ROCOL Chain and Drive Spray should be kept below +50°C, and the storage area should be out of direct sunlight.
- Shelf life is 4 years from date of manufacture.

Typical Applications

- ROCOL Chain and Drive Spray is ideal for all types of chain and conveyor applications found throughout industry including those in wet, aggressive or other hostile environments.

Pack Sizes

Pack Size	Part Code
300ml	22001

Chain and Drive Spray

High performance EP chain and conveyor lubricant aerosol

Property	Test Method	Result
Appearance	Visual	Light brown liquid
Base Type	N/A	Mineral oil
Solvent	N/A	Non-chlorinated hydrocarbon
Propellant	N/A	CO ₂ (carbon dioxide)
Temperature Range	N/A	-30°C to + 150°C
Base Fluid Viscosity at 40°C	IP 71	21cSt
Base Fluid Viscosity at 100°C	IP 71	3.5cSt
4-Ball Weld Load	IP 239 – ASTM D2596	200kg
Salt Spray Corrosion Resistance 200 hours at 35°C	ASTM B-117	No corrosion

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

Issue: 1 Date: 01-11

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ROCOL A division of *ITW* Ltd



BS EN ISO 9001
Certificate No. FM 12448



BS EN ISO 14001
Certificate No. EMS 67596



OHSAS 18001
Certificate No. OHS 78173



INVESTORS
IN PEOPLE



SAFETY DATA SHEET
CHAIN & DRIVE SPRAY

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Compilation date: 11/01/2012

Revision No: 7

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: CHAIN & DRIVE SPRAY

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Chain Lubricant.

1.3. Details of the supplier of the safety data sheet

Company name: ROCOL

ROCOL House

Swillington

Leeds

West Yorkshire

LS26 8BS

ENGLAND

Tel: +44 (0) 113 232 2700

Fax: +44 (0) 113 232 2740

Email: customer-service@rocol.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 113 232 2600

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: -: R10; -: R66

Most important adverse effects: Flammable. Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Label elements under CHIP:

Hazard symbols: Flammable.



Risk phrases: R10: Flammable.

R66: Repeated exposure may cause skin dryness or cracking.

Safety phrases: S38: In case of insufficient ventilation, wear suitable respiratory equipment.

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

[cont...]

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2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

EINECS	CAS	CHIP Classification	CLP Classification	Percent
265-150-3	64742-48-9	-: R10; Xn: R65; -: R66 Substance with a Community workplace exposure limit.	-	30-50%

CARBON DIOXIDE AEROSOL PROPELLANT

204-696-9	124-38-9	-: Substance with a Community workplace exposure limit.	-	1-10%
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CARBON DIOXIDE AEROSOL PROPELLANT

204-696-9	124-38-9	-:	-	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. May cause dizziness.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Do not use water. Alcohol resistant foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

[cont...]

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5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable. Forms explosive air-vapour mixture. In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Do not use equipment in clean-up procedure which may produce sparks. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Smoking is forbidden.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep away from direct sunlight. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

[cont...]

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NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1000mg/m ³	-	-	-

CARBON DIOXIDE AEROSOL PROPELLANT

UK	5000ppm 9150mg/m ³	15000ppm 27400mg/m ³	-	-
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CARBON DIOXIDE AEROSOL PROPELLANT

UK	5000ppm 9150mg/m ³	15000ppm 27400mg/m ³	-	-
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8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Respiratory protection not normally required.

Hand protection: Nitrile gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: Yellow

Odour: Characteristic odour

Evaporation rate: Fast

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Not miscible

Viscosity: Oily

Boiling point/range°C: >140

Melting point/range°C: <-50

Flash point°C: 40

Autoflammability°C: >200

Vapour pressure: >2

Relative density: <1

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

[cont...]

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10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight. Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: Not applicable.

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. May cause dizziness.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable.

12.2. Persistence and degradability

Persistence and degradability: Only slightly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Highly volatile. Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

[cont...]

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NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS

14.3. Transport hazard class(es)

Transport class: 2

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: E

Transport category: 3

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Safety data sheet prepared in accordance with Commission Directive 2008/47/EC of 8 April 2008 amending, for the purposes of adapting to technical progress, Council Directive 75/324/EEC relating to aerosol dispensers
Compiled in accordance with REACH.

Phrases used in s.2 and 3: None

R10: Flammable.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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