

## Chainguard Hi-Load Spray

### High performance chain and conveyor lubricant with MoS<sub>2</sub>

#### Product Overview

ROCOL® Chainguard Hi-Load Spray is a high performance chain and conveyor lubricant.

The unique formula of ROCOL Chainguard Hi-Load Spray is designed to ensure maximum performance for penetration, lubrication and corrosion protection.

ROCOL Chainguard Hi-Load Spray is also available without MoS<sub>2</sub> - see Chain and Drive Spray and Chain and Drive Fluid.

#### Features and Benefits

- ROCOL Chainguard Hi-Load Spray has an excellent temperature range of -30°C to +180°C.
- ROCOL Chainguard Hi-Load Spray offers outstanding EP performance with a weld load of 250 kg.
- ROCOL Chainguard Hi-Load Spray has excellent penetration into the links and pins of the chain.
- It has a tenacious water resistant film that protects all types of chains in wet or humid environments.
- ROCOL Chainguard Hi-Load Spray offers excellent corrosion protection on chains in hostile environments.
- It can be applied to damp or wet chains due to its good dewatering performance.
- The applied film has good adhesion, reducing dripping or throw off.

#### Directions for Storage and Use

- ROCOL Chainguard Hi-Load Spray should be shaken well to ensure all the molybdenum disulphide particles are well dispersed.
- Hold can upright and apply from a distance of 15-30cm (6-12 inches) covering the chain thoroughly.
- ROCOL Chainguard Hi-Load Spray is also available without MoS<sub>2</sub> as Chain and Drive Spray and as Chain and Drive Fluid for application by automatic lubricator.
- The storage temperature of ROCOL Chainguard Hi-Load 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 Chainguard Hi-Load Spray was particularly developed for the lubrication of Fork Lift Truck chains.
- ROCOL Chainguard Hi-Load Spray is also ideal for all types of chain and conveyor applications found throughout industry including those in heavy duty, aggressive or hostile environments.

#### Pack Sizes

Pack Size	Part Code
300ml	22141

## Chainguard Hi-Load Spray

High performance chain and conveyor lubricant with MoS<sub>2</sub>

Property	Test Method	Result
Appearance	Visual	Grey liquid
Base Type	N/A	Mineral oil
Solvent	N/A	Non-chlorinated hydrocarbon
Propellant	N/A	CO <sub>2</sub> (carbon dioxide)
Temperature Range	N/A	-30°C to +180°C
Base Fluid Viscosity at 40°C	IP 71	48cSt
Base Fluid Viscosity at 100°C	IP 71	5.8cSt
4-Ball Weld Load	IP 239 – ASTM D2596	250kg
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](http://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.

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**SAFETY DATA SHEET**  
CHAINGUARD HI-LOAD SPRAY

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

**1.1. Product identifier**

**Product name:** CHAINGUARD HI-LOAD 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](mailto: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

**Most important adverse effects:** Flammable.

**2.2. Label elements**

**Label elements under CHIP:**

**Hazard symbols:** Flammable.

**Risk phrases:** R10: Flammable.

**Safety phrases:** S16: Keep away from sources of ignition - No smoking.

S23: Do not breathe spray.

S51: Use only in well-ventilated areas.

**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:**

HYDROGENATED HYDROCARBON (<0.1% BENZENE)

EINECS	CAS	CHIP Classification	CLP Classification	Percent
265-150-3	64742-48-9	-: R10; Xn: R65; -: R66	-	30-50%

**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.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** 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**

[cont...]

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**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:**

**HYDROGENATED HYDROCARBON (<0.1% BENZENE)**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA		15 min. STEL	
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1000mg/m3	-	-	-

**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:** Protective gloves.

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Protective clothing.

[cont...]

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**Section 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**State:** Aerosol  
**Colour:** Dark grey  
**Odour:** Characteristic odour  
**Evaporation rate:** Slow  
**Oxidising:** Non-oxidising (by EC criteria)  
**Solubility in water:** Not miscible  
**Viscosity:** Oily  
**Boiling point/range°C:** > 150  
**Flammability limits %: lower:** 0.6  
**Flash point°C:** 40  
**Vapour pressure:** < 2  
**Melting point/range°C:** < 0  
**upper:** 7  
**Autoflammability°C:** >200  
**Relative density:** 0.85

**9.2. Other information**

**Other information:** Not applicable.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**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.

[cont...]

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**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.

**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, FLAMMABLE

**14.3. Transport hazard class(es)**

**Transport class:** 2.1

**14.4. Packing group**

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Section 15: Regulatory information**

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

[cont...]

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**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.

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.

Compiled in accordance with REACH.

**Phrases used in s.2 and 3:** 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.