



## SAFETY DATA SHEET

ANTI-SEIZE SPRAY

Page 1  
Issued: 20/05/2010  
Revision No: 5

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** ANTI-SEIZE SPRAY  
**Use of substance / preparation:** Anti-seize agent.  
**Company name:** ROCOL  
ROCOL House  
Swillington  
Leeds  
West Yorkshire  
LS26 8BS  
ENGLAND  
Tel: +44 (0) 113 232 2700  
Fax: +44 (0) 113 232 2740  
Emergency tel: +44 (0) 113 232 2600  
Email: [customer-service@rocol.com](mailto:customer-service@rocol.com)

### 2. HAZARDS IDENTIFICATION

**Main hazards:** Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** HYDROCARBON AEROSOL PROPELLANT (<0.1% 1,3-BUTADIENE) 50-70%  
EINECS: 270-704-2 CAS: 68476-85-7  
[F+] R12

- HEPTANE & ISOMERS 10-30%  
EINECS: 295-434-2 CAS: 92045-53-9  
[F] R11; [Xi] R38; [N] R51/53; [Xn] R65; [-] R67
- NAPHTHENIC MINERAL OIL 5-10%  
EINECS: 265-155-0 CAS: 64742-52-5
- ACETONE 1-5%  
EINECS: 200-662-2 CAS: 67-64-1  
[F] R11; [Xi] R36; [-] R66; [-] R67
- COPPER POWDER 1-5%  
EINECS: 231-159-6 CAS: 7440-50-8

### 4. FIRST AID MEASURES (SYMPTOMS)

**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. FIRST AID MEASURES (ACTION)

**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.

### 5. FIRE-FIGHTING MEASURES

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

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

[cont...]

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Environmental precautions:** Do not discharge into drains or rivers.

**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.

## 7. HANDLING AND STORAGE

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

**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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Hazardous ingredients:** HYDROCARBON AEROSOL PROPELLANT (<0.1% 1,3-BUTADIENE)  
WEL (8 hr TWA): 1000ppm 1750mg/m<sup>3</sup> WEL (15 min STEL): 1250ppm 2180mg/m<sup>3</sup>

- HEPTANE & ISOMERS  
WEL (8 hr TWA): 1400mg/m<sup>3</sup>
- NAPHTHENIC MINERAL OIL  
WEL (8 hr TWA): 5mg/m<sup>3</sup> WEL (15 min STEL): 10mg/m<sup>3</sup>
- ACETONE  
WEL (8 hr TWA): 1210 mg/m<sup>3</sup> WEL (15 min STEL): 3620 mg/m<sup>3</sup>
- COPPER POWDER  
WEL (8 hr TWA): 1mg/m<sup>3</sup> WEL (15 min STEL): 2mg/m<sup>3</sup>

**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 for normal use in well ventilated areas. Respiratory protection should be used in enclosed spaces, with poor ventilation, for extended repeated use, or where exposure limits may be exceeded. Recommended filter types are A1P2 or A2P2.

**Hand protection:** Protective gloves.

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

**Skin protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Aerosol

**Colour:** Dark brown

**Odour:** Characteristic odour

**Evaporation rate:** Fast

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Not miscible

**Viscosity:** Non-viscous

**Boiling point/range°C:** <0

**Melting point/range°C:** <-130

**Flammability limits %: lower:** 1.8

**upper:** 9.4

**Flash point°C:** <-100

**Autoflammability°C:** 430

**Vapour pressure:** >210

**Relative density:** <1

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Direct sunlight. Heat. Sources of ignition.

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

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

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** ACETONE  
IVN RAT LD50 5500 mg/kg  
ORL MUS LD50 3 gm/kg  
ORL RAT LD50 5800 mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

**Mobility:** Highly volatile. Heavier than air.

**Persistence and degradability:** Only slightly biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Harmful to aquatic organisms.

**13. DISPOSAL CONSIDERATIONS**

**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.

**14. TRANSPORT INFORMATION****ADR / RID**

**UN no:** 1950 **ADR Class:** 2  
**Classification code:** 5F  
**Shipping name:** AEROSOLS  
**Labelling:** 2.1

**IMDG / IMO**

**UN no:** 1950 **Class:** 2  
**EmS:** F-D,S-U **Marine pollutant:** .  
**Labelling:** 2.1

**IATA / ICAO**

**UN no:** 1950 **Class:** 2  
**Labelling:** 2.1

**15. REGULATORY INFORMATION**

**Hazard symbols:** Extremely flammable.



**Risk phrases:** R12: Extremely flammable.  
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R67: Vapours may cause drowsiness and dizziness.

**SAFETY DATA SHEET**  
ANTI-SEIZE SPRAY

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

S23: Do not breathe spray.

S51: Use only in well-ventilated areas.

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.

**Haz. ingredients (label):** HEPTANE & ISOMERS

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

**16. OTHER INFORMATION**

**Other information:** EC Directive 1999/45/EC relating to the classification, packaging and labelling of dangerous preparations.

EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to 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.

**Risk phrases used in s.3:** R12: Extremely flammable.

R11: Highly flammable.

R38: Irritating to skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

R36: Irritating to eyes.

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.