



SAFETY DATA SHEET

COLD GALVANISING SPRAY

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

Product name: COLD GALVANISING SPRAY
Company name: ROCOL
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2. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- Hazardous ingredients:** ZINC 50-70%
EINECS: 231-175-3 CAS: 7440-66-6
[N] R50/53
- DIMETHYL ETHER AEROSOL PROPELLANT 10-30%
EINECS: 204-065-8 CAS: 115-10-6
[F+] R12
 - HYDROGENATED HYDROCARBON (<0.1% BENZENE) 5-10%
EINECS: 265-150-3 CAS: 64742-48-9
[-] R10; [Xn] R65; [-] R66
 - 1-METHOXY-2-PROPANOL 5-10%
EINECS: 203-539-1 CAS: 107-98-2
[-] R10; [-] R67
 - HYDROTREATED NAPHTHENIC DISTILLATE 1-5%
EINECS: 265-097-6 CAS: 64741-96-4
 - XYLENE 1-5%
EINECS: 215-535-7 CAS: 1330-20-7
[-] R10; [Xn] R20/21; [Xi] R38

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.
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.

[cont...]

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

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: ZINC

WEL (8 hr TWA): 10mg/m³

- DIMETHYL ETHER AEROSOL PROPELLANT

WEL (8 hr TWA): 400ppm 766mg/m³ WEL (15 min STEL): 500ppm 958mg/m³

- HYDROGENATED HYDROCARBON (<0.1% BENZENE)

WEL (8 hr TWA): 1000mg/m³

- 1-METHOXY-2-PROPANOL

WEL (8 hr TWA): 375 mg/m³ WEL (15 min STEL): 560 mg/m³

- HYDROTREATED NAPHTHENIC DISTILLATE

WEL (8 hr TWA): 5mg/m³ WEL (15 min STEL): 10mg/m³

- XYLENE

WEL (8 hr TWA): 220 mg/m³ WEL (15 min STEL): 441 mg/m³

Respirable dust: ZINC

WEL (8 hr TWA): 3mg/m³

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 if workplace exposure limits may be exceeded. A dust mask with P2 particle filter is recommended

Hand protection: Protective gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: Dark grey

Odour: Characteristic odour

Evaporation rate: Fast

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Not miscible

Viscosity: Non-viscous

Boiling point/range°C: -25

Melting point/range°C: < 0

Flammability limits %: lower: 3.4
upper: 18
Flash point°C: < -40
Autoflammability°C: > 300
Vapour pressure: 490
Relative density: 1.4

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: 1-METHOXY-2-PROPANOL
IVN RAT LD50 4200 mg/kg
ORL MUS LD50 11700 mg/kg
ORL RAT LDLO 3739 mg/kg

- XYLENE
ORL MUS LD50 2119 mg/kg
ORL RAT LD50 4300 mg/kg
SCU RAT LD50 1700 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: Very toxic 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+EHS



IMDG / IMO

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

IATA / ICAO

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

15. REGULATORY INFORMATION

Hazard symbols: Extremely flammable.
Dangerous for the environment.



Risk phrases: R12: Extremely flammable.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe spray.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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.

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: R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R12: Extremely flammable.
R10: Flammable.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
R20/21: Harmful by inhalation and in contact with skin.
R38: Irritating to skin.

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.