



SAFETY DATA SHEET
COLD GALVANISING SPRAY

Page: 1

Compilation date: 27/04/2014

Revision date: 04/02/2016

Revision No: 8

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

1.1. Product identifier

Product name: COLD GALVANISING SPRAY

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

Use of substance / mixture: Metal galvanising spray

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 CLP: Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Flam. Aerosol 1: H222; -: EUH208; -: H229

Most important adverse effects: Contains alkylammonium salt of a polycarboxylic acid. May produce an allergic reaction. Extremely flammable aerosol. Pressurised container: May burst if heated. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: EUH208: Contains alkylammonium salt of a polycarboxylic acid. May produce an allergic reaction.

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

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SAFETY DATA SHEET
COLD GALVANISING SPRAY

Page: 2

Hazard pictograms: GHS02: Flame
GHS09: Environmental



Signal words: Danger

Precautionary statements: P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P251: Do not pierce or burn, even after use.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211: Do not spray on an open flame or other ignition source.
P285: In case of inadequate ventilation wear respiratory protection.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P273: Avoid release to the environment.
P391: Collect spillage.
P501: Dispose of contents/container to local/national guidelines.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ZINC

EINECS	CAS	PBT / WEL	CLP Classification	Percent
231-175-3	7440-66-6	-	Aquatic Acute 1: H400; Aquatic Chronic 1: H410	50-70%

DIMETHYL ETHER AEROSOL PROPELLANT

204-065-8	115-10-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
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1-METHOXY-2-PROPANOL - REACH registered number(s): 01-2119457435-35-XXXX

203-539-1	107-98-2	Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; STOT SE 3: H336	1-10%
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HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS - REACH registered number(s): 01-2119463258-33-XXXX

919-857-5	-	Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; -: EUH066	1-10%
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SAFETY DATA SHEET
COLD GALVANISING SPRAY

Page: 3

AROMATIC HYDROCARBONS C8 (XYLEN MIXTUE)

292-694-9	90989-38-1	-	Flam. Liq. 3: H226; Acute Tox. 4: H312; Acute Tox. 4: H332; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; STOT RE 2: H373; Asp. Tox. 1: H304	1-10%
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ALKYLAMMONIUM SALT OF A POLYCARBOXYLIC ACID

-	-	-	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; STOT SE 3: H335; STOT RE 2: H373; Aquatic Chronic 2: H411; STOT SE 3: H336	<1%
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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.

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.

Delayed / immediate effects: No data available.

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

Immediate / special treatment: No data available.

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: 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.

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SAFETY DATA SHEET
COLD GALVANISING SPRAY

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

Reference to other sections: Refer to section 13 of SDS.

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 a 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)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ZINC

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	4mg/m ³	-

DIMETHYL ETHER AEROSOL PROPELLANT

UK	400ppm 766mg/m ³	500ppm 958mg/m ³	-	-
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SAFETY DATA SHEET
COLD GALVANISING SPRAY

Page: 5

1-METHOXY-2-PROPANOL

UK	375 mg/m ³	560 mg/m ³	-	-
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HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

UK	1200mg/m ³ , 197ppm	-	-	-
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DNEL/PNEC Values

Hazardous ingredients:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

Type	Exposure	Value	Population	Effect
DNEL	Dermal (repeated dose)	300	Workers	Local
DNEL	Inhalation (repeated dose)	1500	Workers	Systemic
DNEL	Dermal	300	Consumers	Systemic
DNEL	Inhalation (repeated dose)	900	Consumers	Systemic
DNEL	Oral (repeated dose)	300	Consumers	Systemic

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 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.

Environmental: No data available

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: 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

Relative density: 1.4

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SAFETY DATA SHEET
COLD GALVANISING SPRAY

Page: 6

VOC g/l: 464

9.2. Other information

Other information: No data available.

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.

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. Sources of ignition.

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

Hazardous ingredients:

1-METHOXY-2-PROPANOL

IVN	RAT	LD50	4200	mg/kg
ORL	MUS	LD50	11700	mg/kg
ORL	RAT	LDLO	3739	mg/kg

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

DERMAL	RBT	LD50	> 5000	ppmV
DUST/MIST	RAT	4H LC50	>5	mg/l
ORAL	RAT	LD50	> 5000	mg/kg

ALKYLAMMONIUM SALT OF A POLYCARBOXYLIC ACID

ORAL	RAT	LD50	5000	mg/kg
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Toxicity values: No data available.

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SAFETY DATA SHEET
COLD GALVANISING SPRAY

Page: 7

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.

Delayed / immediate effects: No data available.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

DIMETHYL ETHER AEROSOL PROPELLANT

DAPHNIA	48H EC50	> 4000	mg/l
FISH	96H LC50	> 4000	mg/l

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS

ALGAE	-	>1000	mg/l
Daphnia magna	-	>1000	mg/l
GREEN ALGA (Selenastrum capricornutum)	-	100	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	>1000	mg/l

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. Heavier than air.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Very toxic to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: No data available.

Recovery operations: No data available

Waste code number: 16 05 05

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SAFETY DATA SHEET
COLD GALVANISING SPRAY

Page: 8

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

Packing group: n/a

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6. Special precautions for user

Special precautions: No data available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk: No data available.

Section 15: Regulatory information

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

Specific regulations: No data available

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 2015/830.

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 s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

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SAFETY DATA SHEET
COLD GALVANISING SPRAY

Page: 9

- H220: Extremely flammable gas.
- H222: Extremely flammable aerosol.
- H226: Flammable liquid and vapour.
- H229: Pressurised container: May burst if heated
- H280: Contains gas under pressure; may explode if heated.
- H304: May be fatal if swallowed and enters airways.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.
- H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H411: Toxic to aquatic life with long lasting effects.

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.

