



SAFETY DATA SHEET
COLD GALVANISING SPRAY

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Compilation date: 27/04/2014

Revision No: 6

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 CHIP: F+: R12; N: R50/53

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

2.2. Label elements

Label elements under CHIP:

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

S61: Avoid release to the environment. Refer to special instructions / safety data sheets. [cont...]

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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.

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	CHIP Classification	CLP Classification	Percent
231-175-3	7440-66-6	N: R50/53	Aquatic Acute 1: H400; Aquatic Chronic 1: H410	50-70%

DIMETHYL ETHER AEROSOL PROPELLANT

204-065-8	115-10-6	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
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1-METHOXY-2-PROPANOL

203-539-1	107-98-2	-: R10; -: R67 Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; STOT SE 3: H336	1-10%
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NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

265-150-3	64742-48-9	-: R10; Xn: R65; -: R66; -: R67 Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336	1-10%
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HYDROTREATED NAPHTHENIC DISTILLATE

265-097-6	64741-96-4	Xn: R65 Substance with a Community workplace exposure limit.	Asp. Tox. 1: H304	1-10%
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XYLENE

215-535-7	1330-20-7	-: R10; Xn: R20/21; Xi: R38	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	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.

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.

[cont...]

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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: 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.

[cont...]

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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:

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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1-METHOXY-2-PROPANOL

UK	375 mg/m ³	560 mg/m ³	-	-
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NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

UK	1200mg/m ³ , 197ppm	-	-	-
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HYDROTREATED NAPHTHENIC DISTILLATE

UK	5mg/m ³	10mg/m ³	-	-
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XYLENE

UK	220 mg/m ³	441 mg/m ³	-	-
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DNEL/PNEC Values

Hazardous ingredients:

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

Type	Exposure	Value	Population	Effect
DNEL	Dermal	300 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	1500 mg/m ³	Workers	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

[cont...]

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Hand protection: Protective 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: 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
Flammability limits %: lower: 3.4
Flash point°C: < -40
Vapour pressure: 490
VOC g/l: 464
Melting point/range°C: < 0
upper: 18
Autoflammability°C: > 300
Relative density: 1.4

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

[cont...]

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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

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY

DERMAL	RBT	LD50	> 5000	ppmV
ORAL	RAT	LD50	> 5000	mg/kg

HYDROTREATED NAPHTHENIC DISTILLATE

DERMAL	RBT	LD50	> 2000	mg/kg
ORAL	RAT	LD50	> 5000	mg/kg

XYLENE

ORL	MUS	LD50	2119	mg/kg
ORL	RAT	LD50	4300	mg/kg
SCU	RAT	LD50	1700	mg/kg

Toxicity values: No data available.

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

Hazardous ingredients:

DIMETHYL ETHER AEROSOL PROPELLANT

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

[cont...]

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HYDROTREATED NAPHTHENIC DISTILLATE

ALGAE	48H EC50	> 100	mg/l
FISH	96H LC50	> 100	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 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

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Section 15: Regulatory information

[cont...]

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

15.2. Chemical Safety Assessment

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 s.3: H220: Extremely flammable gas.
H226: Flammable liquid and vapour.
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.
H332: Harmful if inhaled.
H336: May cause drowsiness or dizziness.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
R10: Flammable.
R12: Extremely flammable.
R20/21: Harmful by inhalation and in contact with skin.
R38: Irritating to skin.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

Legend to abbreviations: PNEC = predicted no effect level
DNEL = derived no effect level
LD50 = median lethal dose
LC50 = median lethal concentration
EC50 = median effective concentration
IC50 = median inhibitory concentration
dw = dry weight
bw = body weight
cc = closed cup

[cont...]

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oc = open cup
MUS = mouse
GPG = guinea pig
RBT = rabbit
HAM = hamster
HMN = human
MAM = mammal
PGN = pigeon
IVN = intravenous
SCU = subcutaneous
SKN = skin
DRM = dermal
OCC = ocular/corneal
PCP = physico-chemical properties

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.