

Productname : BRIGHT COLD GALVANISE
Ref.Nr.: BDS000213_3_20110606

Creationdate : 06.06.11 Version : 1.0
Replaces: UK10108

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

1.1. Product identifier

BRIGHT COLD GALVANISE
Aerosol

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

Anti Corrosion Products

1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.
Ambersil House - Wylds Road
Castlefield Industrial Estate
TA6 4DD Bridgwater Somerset
United Kingdom
Tel.: +44 1278 727200
Fax.: +44 1278 425644
E-mail : hse.uk@crcind.com

1.4. Emergency telephone number

(+44)(0)1278 72 7200

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC:

| | |
|---------------------|---|
| Health: | not classified |
| Physical: | EXTREMELY FLAMMABLE |
| Environment: | R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

2.2. Label elements

Warning symbol(s) : EXTREMELY FLAMMABLE



Risk-phrase(s) : R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Safety-phrase(s) :
 S2: Keep out of the reach of children.
 S16: Keep away from sources of ignition - No smoking.
 S23: Do not breathe vapours/spray.
 S35: This material and its container must be disposed of in a safe way.
 S51: Use only in well-ventilated areas.

Extra label elements according to Aerosol Dispenser Directive 75/324/EC: Pressurised 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.
 Without adequate ventilation formation of explosive mixtures may be possible.

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

| Hazardous ingredient | CAS-nr. | EC-nr | w/w % | symbol | R-phrases* | Notes |
|--|------------|-----------|----------|--------|----------------------|-------|
| dimethyl ether | 115-10-6 | 204-065-8 | 30-60 | F+ | 12 | A |
| Naphtha (petroleum), hydrodesulfurized heavy | 64742-82-1 | 265-185-4 | 5-15 | Xn | 65 | B,P |
| ethyl acetate | 141-78-6 | 205-500-4 | 5-10 | F,Xi | 11-36-66-67 | B |
| Naphtha (petroleum), hydrotreated light | 64742-49-0 | 265-151-9 | 5-10 | Xn | 65 | B,P |
| n-butyl acetate | 123-86-4 | 204-658-1 | 1-5 | | 10-66-67 | |
| aluminium powder (stabilized) | 7429-90-5 | 231-072-3 | 1-5 | F | 11-15 | A |
| 1,2,4-trimethylbenzene | 95-63-6 | 202-436-9 | <1 | Xn,N | 10-20-36/37/38-51/53 | A |
| mesitylene1,3,5-trimethylbenzene | 108-67-8 | 203-604-4 | <1 | Xi,N | 10-37-51/53 | A |
| zinc oxide | 1314-13-2 | 215-222-5 | 0.25-2.5 | N | 50/53 | B |
| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime | 96-29-7 | 202-496-6 | <0.1 | Xn | 21-40-41-43 | B |

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)

| Hazardous ingredient | Registration number | CAS-nr. | EC-nr | w/w % | Hazard Class and Category | Hazard statement | Notes |
|----------------------|---------------------|----------|-----------|-------|---------------------------|------------------|-------|
| dimethyl ether | | 115-10-6 | 204-065-8 | 30-60 | Flam. Gas 1,Press. Gas | H220 | A |

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| | | | | | | | |
|--|--|-----------|-----------|----------|---|------------------------------------|---|
| ethyl acetate | | 141-78-6 | 205-500-4 | 5-10 | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 | H225, H319, H336 | B |
| n-butyl acetate | | 123-86-4 | 204-658-1 | 1-5 | Flam. Liq. 3, STOT SE 3 | H226, H336 | |
| aluminium powder (stabilized) | | 7429-90-5 | 231-072-3 | 1-5 | Water-react. 2, Flam. Sol. 1 | H261, H228 | A |
| mesitylene 1,3,5-trimethylbenzene | | 108-67-8 | 203-604-4 | <1 | Flam. Liq. 3, STOT SE 3, Aquatic Chronic 2 | H226, H335, H411 | A |
| 1,2,4-trimethylbenzene | | 95-63-6 | 202-436-9 | <1 | Flam. Liq. 3, Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 2 | H226, H332, H319, H335, H315, H411 | A |
| zinc oxide | | 1314-13-2 | 215-222-5 | 0.25-2.5 | Aquatic Acute 1, Aquatic Chronic 1 | H400, H410 | B |
| 2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime | | 96-29-7 | 202-496-6 | <0.1 | Carc. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1 | H351, H312, H318, H317 | B |

Explanation notes

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|----------------------------|--|
| Contact with eyes : | If substance has got into eyes, immediately wash out with plenty of water Seek medical attention if irritation persists |
| Contact with skin : | Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek medical attention if irritation persists |
| Inhalation : | Fresh air, keep warm and at rest. Seek medical attention if ill effects occur |
| Ingestion : | Ingestion is unlikely to occur If swallowed accidentally, do not induce vomiting and seek medical advice. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-----------------------|--|
| Inhalation : | Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness |
| Ingestion : | May induce chemical pneumonia. Symptoms : sore throat, abdominal pain, nausea, vomiting |
| Skin contact : | May cause irritation. Symptoms : redness and pain |
| Eye contact : | May cause irritation. Symptoms : redness and pain |

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

| | |
|-------------------------|---|
| General Advice : | If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor |
|-------------------------|---|

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SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

Aerosols may explode if heated above 50°C
Forms hazardous decomposition products
CO,CO2

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing and gloves.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material
Place in appropriate container

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed
Use explosion-proof electrical/ventilating/lighting/?/equipment.
Use only non-sparking tools.

The logo for Ambersil, featuring the word "Ambersil" in a bold, orange, sans-serif font.

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Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.

7.2. Conditions for safe storage, including any incompatibilities

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep in a cool, dry, well ventilated place
Keep out of reach of children.

7.3. Specific end use(s)

Anti Corrosion Products

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

| Hazardous ingredient | CAS-nr. | method | |
|---|----------|--------|----------|
| EU established exposure limits: | | | |
| mesitylene1,3,5-trimethylbenzene | 108-67-8 | TWA | 20 ppm |
| dimethyl ether | 115-10-6 | TWA | 1000 ppm |
| 1,2,4-trimethylbenzene | 95-63-6 | TWA | 20 ppm |
| National established exposure limits, United Kingdom | | | |
| dimethyl ether | 115-10-6 | TWA | 400 ppm |
| | | STEL | 500 ppm |
| n-butyl acetate | 123-86-4 | TWA | 150 ppm |
| | | STEL | 200 ppm |
| ethyl acetate | 141-78-6 | TWA | 200 ppm |
| | | STEL | 400 ppm |

8.2. Exposure controls

| | |
|------------------------------|--|
| Control procedures : | Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges |
| Personal protection : | Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation |
| inhalation : | In case of insufficient ventilation, wear suitable respiratory equipment. Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX) |
| hands and skin : | Wear suitable protective gloves (nitrile) |

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eyes : Wear safety goggles.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|-----------------------|
| Apperance : physical state : | DME propelled liquid. |
| colour : | Grey. |
| odour : | Solvent. |
| pH : | Not applicable. |
| Boiling point/range : | Not available. |
| Flash point : | < 0 °C |
| Evaporation rate : | Not available. |
| Explosion limits : upper limit : | Not available. |
| lower limit : | Not available. |
| Vapour pressure : | Not available. |
| Relative density : | 0.969 g/cm3 (@ 20°C). |
| Solubility in water : | Insoluble in water |
| Auto-ignition : | > 200 °C |
| Viscosity : | Not applicable. |

9.2. Other information

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

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CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------|--|
| Inhalation : | Inhalation of solvent vapours may give rise to nausea, headaches and dizziness |
| Ingestion : | May cause gastrointestinal disturbances |
| Skin contact : | Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis Repeated exposure may cause skin dryness or cracking. |
| Eye contact : | May cause irritation. |

Toxicological data :

| Hazardous ingredient | CAS-nr. | method | |
|--|------------|---------------|--------------|
| Naphtha (petroleum), hydrodesulfurized heavy | 64742-82-1 | LD50 oral rat | > 2000 mg/kg |

SECTION 12: Ecological information

12.1. Toxicity

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Ecotoxicological data:

| Hazardous ingredient | CAS-nr. | method | |
|--|------------|--------------|---------------|
| Naphtha (petroleum), hydrodesulfurized heavy | 64742-82-1 | IC50 algae | 1 - 10 mg/l |
| | | LC50 fish | 10 - 100 mg/l |
| | | EC50 daphnia | 10 - 100 mg/l |

12.2. Persistence and degradability

No experimental data available

12.3. Bioaccumulative potential

No experimental data available

12.4. Mobility in soil

Insoluble in water

12.5. Results of PBT and vPvB assessment



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No information available

12.6. Other adverse effects

No experimental data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : This material and its container must be disposed of in a safe way.
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

Contaminated packaging : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : 1950

14.2. UN proper shipping name

Proper shipping name: AEROSOLS, flammable

14.3. Transport hazard class(es)

Class: 2.1
ADR/RID - Classification code: 5F

14.4. Packing group

Packing group: Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: No
IMDG - Marine pollutant: No
IATA/ICAO - Environmentally hazardous: No

14.6. Special precautions for user

ADR/RID - Tunnelcode: (D)
IMDG - Ems: F-D,S-U
IATA/ICAO - PAX: 203
IATA/ICAO - CAO: 203



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

Not applicable.

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.
Dir. 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.
EU-directive 99/45/EC
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases:

R10: Flammable.
R11: Highly flammable.
R12: Extremely flammable.
R15: Contact with water liberates extremely flammable gases.
R20: Harmful by inhalation.
R21: Harmful in contact with skin.
R36: Irritating to eyes.
R37: Irritating to respiratory system.
R40: Limited evidence of a carcinogenic effect.
R41: Risk of serious damage to eyes.
R43: May cause sensitization by skin contact.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.
R36/37/38: Irritating to eyes, respiratory system and skin.
R50/53
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53

*Explanation hazard statements:

H220 : Extremely flammable gas.
H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H228 : Flammable solid.
H261 : In contact with water releases flammable gases.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.

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H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H351 : Suspected of causing cancer .
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.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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