

Productname : DRY MOLY
Ref.Nr.: UDS000418_3_20120528

Creationdate : 28.05.12 Version : 1.0
Replaces: UK10568

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

1.1. Product identifier

DRY MOLY
Aerosol

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

Lubricants

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: | R36: Irritating to eyes. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness. |
| Physical: | EXTREMELY FLAMMABLE |
| Environment: | Not classified |

2.2. Label elements

Warning symbol(s) :

EXTREMELY FLAMMABLE



Xi : IRRITANT

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**Risk-phrase(s) :**

R36: Irritating to eyes.
 R66: Repeated exposure may cause skin dryness or cracking.
 R67: Vapours may cause drowsiness and dizziness.

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.
 S25: Avoid contact with eyes.
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S37: Wear suitable gloves.
 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 |
|---|------------|-----------|--------|--------|-------------|-------|
| Hydrocarbons,C3-4-rich, petroleum distillate Petroleumgas (1,3-butadiene < 0.1%) | 68512-91-4 | 270-990-9 | 60-100 | F+ | 12 | K |
| acetone; propan-2-one; propanone | 67-64-1 | 200-662-2 | 10-30 | F,Xi | 11-36-66-67 | A |
| xylene | 1330-20-7 | 215-535-7 | 1-10 | Xn | 10-20/21-38 | A |
| butanone; ethyl methyl ketone | 78-93-3 | 201-159-0 | 1-10 | F,Xi | 11-36-66-67 | A |
| ethylbenzene | 100-41-4 | 202-849-4 | 0-5 | F,Xn | 11-20 | A |
| Explanation notes | | | | | | |
| A : substance with Community workplace exposure limit | | | | | | |
| K : not classified as carcinogen, less than 0.1% w/w 1,3-butadiene (Einecs-nr. 203-450-8) | | | | | | |

| Hazardous ingredient | Registration number | CAS-nr. | EC-nr | w/w % | Hazard Class and Category | Hazard statement | Notes |
|----------------------------------|---------------------|---------|-----------|-------|---------------------------------------|------------------|-------|
| acetone; propan-2-one; propanone | 01-2119471330-49 | 67-64-1 | 200-662-2 | 10-30 | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 | H225,H319,H336 | A |

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| | | | | | | | |
|---|--|-----------|-----------|------|--|--------------------------|---|
| xylene | | 1330-20-7 | 215-535-7 | 1-10 | Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Asp. Tox. 1 | H226,H312,H332,H315,H304 | A |
| butanone; ethyl methyl ketone | | 78-93-3 | 201-159-0 | 1-10 | Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 | H225,H319,H336 | A |
| ethylbenzene | | 100-41-4 | 202-849-4 | 0-5 | Flam. Liq. 2, Acute Tox. 4 | H225,H332 | A |
| Explanation notes | | | | | | | |
| A : substance with Community 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 water for at least 15 minutes Seek medical advice |
| 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 : | Remove patient to fresh air Keep warm and at rest, in a half upright position. Loosen clothing Seek medical attention if ill effects occur |
| Ingestion : | 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 cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting |
| Skin contact : | May cause irritation. Symptoms : redness and pain |
| Eye contact : | Irritating to eyes 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 |
|-------------------------|---|

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

| | | | |
|----------------------|----------------------|-----------------------|------------------------|
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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.
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.
Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

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Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
Keep out of reach of children.

7.3. Specific end use(s)

Lubricants

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

| Hazardous ingredient | CAS-nr. | method | |
|--|-----------|--------|----------|
| EU established exposure limits: | | | |
| ethylbenzene | 100-41-4 | TWA | 100 ppm |
| | | STEL | 200 ppm |
| xylene | 1330-20-7 | TWA | 50 ppm |
| | | STEL | 100 ppm |
| acetone; propan-2-one; propanone | 67-64-1 | TWA | 500 ppm |
| butanone; ethyl methyl ketone | 78-93-3 | TWA | 200 ppm |
| | | STEL | 300 ppm |
| National established exposure limits, United Kingdom | | | |
| ethylbenzene | 100-41-4 | TWA | 100 ppm |
| | | STEL | 125 ppm |
| xylene | 1330-20-7 | TWA | 50 ppm |
| | | STEL | 100 ppm |
| acetone; propan-2-one; propanone | 67-64-1 | TWA | 500 ppm |
| | | STEL | 1500 ppm |
| butanone; ethyl methyl ketone | 78-93-3 | TWA | 200 ppm |
| | | STEL | 300 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. |
| hands and skin : | Wear suitable protective gloves against chemicals (nitrile) |
| eyes : | Wear safety goggles. |

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

Apperance : physical state : Propane/butane propelled liquid.
colour : Black.
odour : Characteristic odor.
pH : Not applicable.
Boiling point/range : 56 °C
Flash point : - 18 °C
Evaporation rate : Not available.
Explosion limits : upper limit : 13 %
lower limit : 1.8 %
Vapour pressure : Not available.
Relative density : 0.84 g/cm³ (@ 20°C).
Solubility in water : Insoluble in water
Auto-ignition : 515 °C
Viscosity : Not available.

9.2. Other information

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

CO,CO₂

SECTION 11: Toxicological information

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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 : May cause irritation.
Eye contact : Irritating to eyes

Toxicological data :

| Hazardous ingredient | CAS-nr. | method | |
|----------------------------------|---------|-----------------|--------------|
| acetone; propan-2-one; propanone | 67-64-1 | LD50 oral rat | > 2000 mg/kg |
| | | LD50 derm.rabit | > 2000 mg/kg |
| butanone; ethyl methyl ketone | 78-93-3 | LD50 oral rat | >2000 mg/kg |

SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

| Hazardous ingredient | CAS-nr. | method | |
|----------------------------------|---------|--------------|------------|
| acetone; propan-2-one; propanone | 67-64-1 | IC50 algae | > 100 mg/l |
| | | LC50 fish | > 100 mg/l |
| | | EC50 daphnia | > 100 mg/l |

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

Insoluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

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No information 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

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

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

Not applicable.

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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. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.
EU-directive 99/45/EC
Regulation (EC) No 1907/2006 (REACH)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation risk-phrases: R10: Flammable.
R11: Highly flammable.
R12: Extremely flammable.
R20: Harmful by inhalation.
R36: Irritating to eyes.
R38: Irritating to skin.
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.

*Explanation hazard statements: H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H304 : May be fatal if swallowed and enters airways.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H336 : May cause drowsiness or dizziness.

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. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.