

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 - Wylids 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.<br>R66: Repeated exposure may cause skin dryness or cracking.<br>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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|   |   |
|---|---|
| <b>Risk-phrase(s) :</b>   | R36: Irritating to eyes.<br>R66: Repeated exposure may cause skin dryness or cracking.<br>R67: Vapours may cause drowsiness and dizziness.  |
| <b>Safety-phrase(s) :</b>   | S2: Keep out of the reach of children.<br>S16: Keep away from sources of ignition - No smoking.<br>S23: Do not breathe vapours/spray.<br>S25: Avoid contact with eyes.<br>S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br>S37: Wear suitable gloves.<br>S51: Use only in well-ventilated areas. |
| <b>Extra label elements according to Aerosol Dispenser Directive 75/324/EC:</b> | 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.<br>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     |
| xylene                           |                     | 1330-   | 215-      | 1-10  | Flam. Liq. 3, Acute Tox. 4, Acute     | H226,H312,H332,H315,H304 | A     |

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|                               |  |          |           |      |                                       |                |   |
|-------------------------------|--|----------|-----------|------|---------------------------------------|----------------|---|
|                               |  | 20-7     | 535-7     |      | Tox. 4, Skin Irrit. 2, Asp. Tox. 1    |                |   |
| 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**

|                            |  |
|----------------------------|--|
| <b>Contact with eyes :</b> | If substance has got into eyes, immediately wash out with water for at least 15 minutes<br>Seek medical advice   |
| <b>Contact with skin :</b> | Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water<br>Seek medical attention if irritation persists |
| <b>Inhalation :</b>        | Remove patient to fresh air<br>Keep warm and at rest, in a half upright position. Loosen clothing<br>Seek medical attention if ill effects occur                       |
| <b>Ingestion :</b>         | If swallowed accidentally, do not induce vomiting and seek medical advice.   |

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

|                       |   |
|-----------------------|---|
| <b>Inhalation :</b>   | Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness            |
| <b>Ingestion :</b>    | May cause gastrointestinal disturbances<br>Symptoms : sore throat, abdominal pain, nausea, vomiting |
| <b>Skin contact :</b> | May cause irritation.<br>Symptoms : redness and pain  |
| <b>Eye contact :</b>  | Irritating to eyes<br>Symptoms : redness and pain   |

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

|                         |   |
|-------------------------|---|
| <b>General Advice :</b> | If you feel unwell, seek medical advice (show the label where possible)<br>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**

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



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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

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

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### 7.3. Specific end use(s)

Lubricants

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits :

| Hazardous ingredient  | CAS-nr.   | method |          |
|---|-----------|--------|----------|
| <b>EU established exposure limits:</b>                      |           |        |          |
| 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  |
| <b>National established exposure limits, United Kingdom</b> |           |        |          |
| 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

|                              |   |
|------------------------------|---|
| <b>Control procedures :</b>  | Ensure adequate ventilation<br>Keep away from heat and sources of ignition<br>Take precautionary measures against static discharges |
| <b>Personal protection :</b> | Take precautions to avoid contact with skin and eyes when handling the product.<br>Ensure adequate ventilation                      |
| <b>inhalation :</b>          | In case of insufficient ventilation, wear suitable respiratory equipment.   |
| <b>hands and skin :</b>      | Wear suitable protective gloves<br>(nitrile)  |
| <b>eyes :</b>                | 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)

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

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