

Productname : ISOLIER 72  
Ref.Nr.: BDS000595\_3\_20170629 (EN)

Creationdate : 29.06.17 Version : 3.0  
Replaces: BDS000595\_20140318

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

### 1.1. Product identifier

**ISOLIER 72**  
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 Europe bvba**  
Touwslagerstraat 1  
9240 Zele  
Belgium  
Tel.: +32(0)52/45.60.11  
Fax.: +32(0)52/45.00.34  
E-mail : hse@crcind.com

| Subsidiaries                    |   | Tel               | Fax              |
|---------------------------------|---|-------------------|------------------|
| CRC Industries Finland Oy       | Laurinkatu 57 A 23 B, 08100 Lohja                                       | +358/(19)32.921   |                  |
| CRC Industries France           | 6, avenue du marais, C.S. 90028, 95102 Argenteuil Cedex                 | 01.34.11.20.00    | 01.34.11.09.96   |
| CRC Industries Deutschland GmbH | Südring 9, D-76473 Iffezheim  | (07229) 303 0     | (07229)30 32 66  |
| CRC INDUSTRIES IBERIA S.L.U.    | GREMIO DEL CUERO-PARC.96, POLIGONO INDUSTRI. DE HONTORIA, 40195 SEGOVIA | 0034/921.427.546  | 0034/921.436.270 |
| CRC Industries Sweden           | Laxfiskevägen 16, 433 38 Partille                                       | 0046/31 706 84 80 | 0046/31 27 39 91 |

### 1.4. Emergency telephone number

CRC Industries Europe, Belgium: Tel.: +32(0)52/45.60.11 (office hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

**Physical:** Aerosols, category 1  
Extremely flammable aerosol.






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Pressurised container: May burst if heated.  
 Classification is based on test data.  
**Health:** Skin irritation, category 2  
 Causes skin irritation.  
 Specific target organ toxicity - single exposure, category 3  
 May cause drowsiness or dizziness.  
 Classification based on calculation method.  
**Environment:** Hazardous to the aquatic environment, chronic category 2  
 Toxic to aquatic life with long lasting effects.  
 Classification based on calculation method.

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

**Product identifier:** Contains:  
hydrocarbons

**Hazard pictogram(s):**   

**Signal word:** Danger

**Hazard statement(s):** H222 : Extremely flammable aerosol.  
 H229 : Pressurised container: May burst if heated.  
 H315 : Causes skin irritation.  
 H336 : May cause drowsiness or dizziness.  
 H411 : Toxic to aquatic life with long lasting effects.

**Precautionary statement(s):** P102 : Keep out of reach of children.  
 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.  
 P251 : Do not pierce or burn, even after use.  
 P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 : Use only outdoors or in a well-ventilated area.  
 P410/412 : Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 P501-2 : Dispose of contents/container to an authorised waste collection point.

**Supplemental Hazard information:** None

## 2.3. Other hazards

No information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances



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Not applicable.

### 3.2. Mixtures

| Hazardous ingredient                     | Registration number | CAS-nr.  | EC-nr       | w/w % | Hazard Class and Category  | Hazard statement         | Notes |
|--|---------------------|----------|-------------|-------|--|--------------------------|-------|
| pentane                                  | 01-2119459286-30    | 109-66-0 | 203-692-4   | 10-25 | Flam. Liq. 2, Asp. Tox. 1, STOT SE 3, Aquatic Chronic 2                | H225,H304,H336,H411      | A     |
| hydrocarbons,C6,isoalkanes,< 5% n-hexane | 01-2119484651-34    | -        | (931-254-9) | 10-25 | Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2 | H225,H315,H336,H304,H411 | Q     |
| carbon dioxide                           | -                   | 124-38-9 | 204-696-9   | 1-5   | Press. Gas   | H280                     | A,G   |

**Explanation notes**

A : substance with Community workplace exposure limit

G : exempted from the obligation to register in accordance with art.2(7)of REACH Regulation No 1907/2006

Q : The CAS-no is only an indicative identifier to be used outside the EU for global inventory entries.

(\* 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 plenty of water<br>If eye irritation persists: Get medical advice/attention.                               |
| <b>Contact with skin :</b> | Take off contaminated clothing and wash before reuse.<br>IF ON SKIN: Wash with plenty of soap and water.<br>If skin irritation occurs: Get medical advice/attention. |
| <b>Inhalation :</b>        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>Call a POISON CENTER or doctor/physician if you feel unwell.                           |
| <b>Ingestion :</b>         | If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention                      |

### 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>    | After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.<br>Symptoms : sore throat, abdominal pain, nausea, vomiting |
| <b>Skin contact :</b> | Irritating to skin<br>Symptoms : redness and pain  |
| <b>Eye contact :</b>  | May cause irritation.<br>Symptoms : redness and pain   |



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#### 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

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

#### 6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

#### 6.4. Reference to other sections

For further information see section 8

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling



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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.

## 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.

## 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>                      |          |        |            |
| pentane   | 109-66-0 | TWA    | 1000 ppm   |
| carbon dioxide  | 124-38-9 | TWA    | 9000 mg/m3 |
|   |          | STEL   | 1800 mg/m3 |
| <b>National established exposure limits, United Kingdom</b> |          |        |            |
| pentane   | 109-66-0 | TWA    | 600 ppm    |
| carbon dioxide  | 124-38-9 | TWA    | 5000 ppm   |
|   |          | STEL   | 15000 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.  
 In all cases handle and use the product in accordance with good industrial hygiene practices.

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|                                     |  |
|-------------------------------------|--|
|                                     | Ensure adequate ventilation  |
| <b>inhalation :</b>                 | In case of insufficient ventilation, wear suitable respiratory equipment.  |
| recommended respiratory protection: | Air purifying respirator equipped with organic gas/vapor cartridge (type AX)   |
| <b>hands and skin :</b>             | When handling the product wear chemical-resistant gloves (standard EN 374).  |
|                                     | Use a reusable glove with a minimum breakthrough time of 30 minutes. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. |
| Recommended gloves:                 | Nitrile  |
| <b>eyes :</b>                       | Wear safety eyewear according to EN 166.   |
| <b>Environmental protection:</b>    | Avoid release to the environment.<br>Collect spillage.   |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

(for aerosols data for the product without propellant)

|   |                                   |
|---|-----------------------------------|
| <b>Apperance : physical state :</b>     | CO2 propelled liquid.             |
| <b>colour :</b>                         | Colorless.                        |
| <b>odour :</b>                          | Solvent.                          |
| <b>pH :</b>                             | Not applicable.                   |
| <b>Boiling point/range :</b>            | Not available.                    |
| <b>Flash point :</b>                    | < 0 °C (Closed Cup)               |
| <b>Evaporation rate :</b>               | Not available.                    |
| <b>Explosion limits : upper limit :</b> | Not available.                    |
| <b>lower limit :</b>                    | Not available.                    |
| <b>Vapour pressure :</b>                | Not available.                    |
| <b>Relative density :</b>               | 0.775 g/cm <sup>3</sup> (@ 20°C). |
| <b>Solubility in water :</b>            | Insoluble in water                |
| <b>Auto-ignition :</b>                  | > 200 °C                          |
| <b>Viscosity :</b>                      | Not applicable.                   |

### 9.2. Other information

|   |         |
|---|---------|
| <b>VOC = volatile organic compounds</b> | 365 g/l |
|---|---------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability



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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

### 11.1. Information on toxicological effects

|   |   |
|---|---|
| <b>acute toxicity:</b>                    | based on available data the classification criteria are not met |
| <b>skin corrosion/irritation:</b>         | Causes skin irritation.   |
| <b>serious eye damage/irritation:</b>     | based on available data the classification criteria are not met |
| <b>respiratory or skin sensitisation:</b> | based on available data the classification criteria are not met |
| <b>germ cell mutagenicity:</b>            | based on available data the classification criteria are not met |
| <b>carcinogenicity:</b>                   | based on available data the classification criteria are not met |
| <b>toxicity for reproduction:</b>         | based on available data the classification criteria are not met |
| <b>STOT-single exposure:</b>              | May cause drowsiness or dizziness.                              |
| <b>STOT repeated exposure:</b>            | based on available data the classification criteria are not met |
| <b>aspiration hazard:</b>                 | based on available data the classification criteria are not met |

### Information on likely routes of exposure:

|                       |  |
|-----------------------|--|
| <b>Inhalation :</b>   | Inhalation of solvent vapours may give rise to nausea, headaches and dizziness                               |
| <b>Ingestion :</b>    | After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia. |
| <b>Skin contact :</b> | Irritating to skin   |
| <b>Eye contact :</b>  | May cause irritation.  |

### Toxicological data :

| Hazardous ingredient | CAS-nr. | method |
|----------------------|---------|--------|
|----------------------|---------|--------|



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|  |          |                 |              |
|--|----------|-----------------|--------------|
| pentane                                  | 109-66-0 | LD50 oral rat   | > 5000 mg/kg |
|  |          | LD50 derm.rabit | > 3000 mg/kg |
| hydrocarbons,C6,isoalkanes,< 5% n-hexane | -        | LD50 oral rat   | > 5000 mg/kg |
|  |          | LC50 inhal.rat  | > 20 mg/l    |
|  |          | LD50 derm.rabit | > 3000 mg/kg |

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, chronic category 2  
 Toxic to aquatic life with long lasting effects.

#### Ecotoxicological data:

| Hazardous ingredient                     | CAS-nr. | method       |           |
|--|---------|--------------|-----------|
| hydrocarbons,C6,isoalkanes,< 5% n-hexane | -       | IC50 algae   | 55 mg/l   |
|  |         | LC50 fish    | > 1 mg/l  |
|  |         | EC50 daphnia | 3.87 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

No information available

### 12.6. Other adverse effects

No experimental data available  
 GWP (global warming potential): 1

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods





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**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 (naphta, pentane)

### 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: Yes  
IMDG - Marine pollutant: Marine pollutant  
IATA/ICAO - Environmentally  
hazardous: Yes

### 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 MARPOL and the IBC Code

Not applicable.

## SECTION 15: Regulatory information



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### 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.  
Regulation (EC) No 1907/2006 (REACH)  
Regulation (EC) No 1272/2008 (CLP)  
Dir. 2013/10/EU, 2008/47/EC amendment of the aerosol dispenser directive 75/324/EEC.

### 15.2. Chemical safety assessment

No information available

## SECTION 16: Other information

\*Explanation hazard statements: H225 : Highly flammable liquid and vapour.  
H280 : Contains gas under pressure; may explode if heated.  
H304 : May be fatal if swallowed and enters airways.  
H315 : Causes skin irritation.  
H336 : May cause drowsiness or dizziness.  
H411 : Toxic to aquatic life with long lasting effects.

REVISIONS IN CHAPTRE : 8.2. Exposure controls  
acronyms and synonyms: TWA = time weight average  
STEL = short time exposure limit  
VOC = volatile organic compounds  
PBT = persistant bioaccumulative toxic  
vPvB = very persitant very bioaccumulative

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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