

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

KRONES celerol LU 7603
Article number: 0903088941

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

Creep and fine oil for foodstuffs industry

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company KIC KRONES Internationale Cooperationsgesellschaft mbH
 Böhmerwaldstraße 5
 93073 Neutraubling / GERMANY
 Phone +49 9401 70-3020
 Fax +49 9401 70-3696
 Homepage www.kic-krones.com
 E-mail kic@kic-krones.com

Address enquiries to

Technical information kic@kic-krones.com

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (english)

SECTION 2: Hazards identification
2.1 Classification of the substance or mixture

Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.
 Aquatic Chronic 4: H413 May cause long lasting harmful effects to aquatic life.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

Hazard pictograms

Signal word

DANGER

Contains:

Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics

Hazard statements

H304 May be fatal if swallowed and enters airways.
 H413 May cause long lasting harmful effects to aquatic life.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor.
 P331 Do NOT induce vomiting.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Special labelling

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards
Human health dangers

Has a degreasing effect on the skin.

Environmental hazards

Does not contain any PBT or vPvB substances.

Other hazards

Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

| Range [%] | Substance |
|------------|--|
| 50 - < 100 | Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics |
| | EINECS/ELINCS: 918-167-1, EU-INDEX: 649-275-00-4, Reg-No.: 01-2119472146-39-XXXX |
| | GHS/CLP: Flam. Liq. 3: H226 - Asp. Tox. 1: H304 - Aquatic Chronic 4: H413 |

Comment on component parts

Penetrating oil based on synthetic oils and synthetic isoparaffins.
 Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
 All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.
 For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|----------------------------|---|
| General information | Take off contaminated clothing and wash before reuse. |
| Inhalation | Ensure supply of fresh air. In the event of symptoms seek medical treatment. |
| Skin contact | When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists. |
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Ingestion | Do not induce vomiting. Get medical advice. Rinse out mouth and give plenty of water to drink. |

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
 If swallowed or in the event of vomiting, risk of product entering the lungs.
 Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

| | |
|--|---|
| Suitable extinguishing media | foam, dry powder, water spray jet, carbon dioxide |
| Extinguishing media that must not be used | Full water jet |

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
 Carbon monoxide (CO)
 Not combusted hydrocarbons.

5.3 Advice for firefighters

Use self-contained breathing apparatus.
 Cool containers at risk with water spray jet.
 Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Vacuuming in situ required.
Avoid formation of aerosols.

Keep away from open flames, hot surfaces and sources of ignition.
The product is combustible.

Do not eat or drink when working.
Wash hands before breaks and after work.
Take off contaminated clothing and wash before reuse.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Provide solvent-resistant and impermeable floor.

Do not store together with oxidizing agents.

Keep container tightly closed.
Keep container in a well-ventilated place.
Protect from heat/overheating.
Recommended storage temperature: room temperature.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

| |
|--|
| Substance |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics |
| EINECS/ELINCS: 918-167-1, EU-INDEX: 649-275-00-4, Reg-No.: 01-2119472146-39-XXXX |
| Long-term exposure: 1200 mg/m ³ |
| 1-Decene, homopolymer, hydrogenated |
| CAS: 68037-01-4, EINECS/ELINCS: 500-183-1 |
| Long-term exposure: 5 mg/m ³ , OSHA PEL |

8.2 Exposure controls

| | |
|--|--|
| Additional advice on system design | Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances. |
| Eye protection | If there is a risk of splashing: Tightly fitting goggles. (EN 166:2001) |
| Hand protection | The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: >= 0,38 mm, Butyl rubber, >480 min (EN 374-1/-2/-3). >= 0,38 mm, Nitrile rubber, >480 min (EN 374-1/-2/-3). |
| Skin protection | Solvent-resistant protective clothing. |
| Other | Do not breathe vapour/spray. Avoid contact with eyes and skin. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. |
| Respiratory protection | If ventilation is insufficient, wear respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387) |
| Thermal hazards | No information available. |
| Delimitation and monitoring of the environmental exposition | Protect the environment by applying appropriate control measures to prevent or limit emissions. |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|---|
| Form | liquid |
| Color | colourless clear |
| Odor | faintly |
| Odour threshold | No information available. |
| pH-value | not applicable |
| pH-value [1%] | not applicable |
| Boiling point [°C] | No information available. |
| Flash point [°C] | > 60 °C (DIN EN ISO 2719) |
| Flammability (solid, gas) [°C] | not applicable |
| Lower explosion limit | No information available. |
| Upper explosion limit | No information available. |
| Oxidising properties | no |
| Vapour pressure/gas pressure [kPa] | No information available. |
| Density [g/ml] | 0,78 (DIN 51757) (20 °C / 68,0 °F) |
| Bulk density [kg/m³] | not applicable |
| Solubility in water | insoluble |
| Partition coefficient [n-octanol/water] | No information available. |
| Viscosity | 3,8 mm ² /s (20 °C, DIN 51562) |
| Relative vapour density determined in air | No information available. |
| Evaporation speed | No information available. |
| Melting point [°C] | No information available. |
| Autoignition temperature [°C] | No information available. |
| Decomposition temperature [°C] | No information available. |

9.2 Other information

Ignition Temperature (DIN 51794): ca. 265 °C (DIN 51794)

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.
Reactions with strong acids and alkalies.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| |
|---|
| Product |
| LD50, oral, Rat: > 5000 mg/kg. |
| Substance |
| Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics |
| LD50, dermal, Rabbit: > 5000 mg/kg. |
| LD50, oral, Rat: > 5000 mg/kg. |

| | |
|---|---|
| Serious eye damage/irritation | Based on the available information, the classification criteria are not fulfilled. |
| Skin corrosion/irritation | Based on the available information, the classification criteria are not fulfilled. |
| Respiratory or skin sensitisation | Based on the available information, the classification criteria are not fulfilled. |
| Specific target organ toxicity — single exposure | Based on the available information, the classification criteria are not fulfilled. |
| Specific target organ toxicity — repeated exposure | Based on the available information, the classification criteria are not fulfilled. |
| Mutagenicity | Based on the available information, the classification criteria are not fulfilled. |
| Reproduction toxicity | Based on the available information, the classification criteria are not fulfilled. |
| Carcinogenicity | Based on the available information, the classification criteria are not fulfilled. |
| Aspiration hazard | May be fatal if swallowed and enters airways. On basis of test data |
| General remarks | Has a degreasing effect on the skin. May cause irritation of eyes, mucous membranes and respiratory organs. Toxicological data of complete product are not available. The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials. |

SECTION 12: Ecological information

12.1 Toxicity

| |
|--|
| Product |
| EL50, (48h), Daphnia magna: > 1000 mg/l (OECD 202). |
| LL50, (96h), Oncorhynchus mykiss: > 1000 mg/l (OECD 203). |
| Erl50, (72h), Pseudokirchneriella subcapitata: > 1000 mg/l (OECD 201). |

12.2 Persistence and degradability

| | |
|--|---|
| Behaviour in environment compartments | No information available. |
| Behaviour in sewage plant | No information available. |
| Biological degradability | The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation. |

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

The product is insoluble in water.

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.

Waste no. (recommended) 130208*
130206*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110*
150102

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EEC-REGULATIONS 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

TRANSPORT-REGULATIONS DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2017).

NATIONAL REGULATIONS (GB): EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4

- **Observe employment restrictions for people** Observe employment restrictions for young people.

- **VOC (2010/75/CE)** 74,3%

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H413 May cause long lasting harmful effects to aquatic life.
 H304 May be fatal if swallowed and enters airways.
 H226 Flammable liquid and vapour.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 ATE = acute toxicity estimate
 CAS = Chemical Abstracts Service
 CLP = Classification, Labelling and Packaging
 DMEL = Derived Minimum Effect Level
 DNEL = Derived No Effect Level
 EC50 = Median effective concentration
 ECB = European Chemicals Bureau
 EEC = European Economic Community
 EINECS = European Inventory of Existing Commercial Chemical Substances
 ELINCS = European List of Notified Chemical Substances
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50 = Inhibition concentration, 50%
 IMDG = International Maritime Code for Dangerous Goods
 IUCLID = International Uniform Chemical Information Database
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 LC0 = lethal concentration, 0%
 LOAEL = lowest-observed-adverse-effect level
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 NOAEL = No Observed Adverse Effect Level
 NOEC = No Observed Effect Concentration
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 STP = Sewage Treatment Plant
 TLV@TWA = Threshold limit value – time-weighted average
 TLV@STEL = Threshold limit value – short-time exposure limit
 VOC = Volatile Organic Compounds
 vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (On basis of test data)
 Aquatic Chronic 4: H413 May cause long lasting harmful effects to aquatic life. (Calculation method)

Modified position

SECTION 2 been added: Does not contain any PBT or vPvB substances.

SECTION 7 been added: Keep away from open flames, hot surfaces and sources of ignition.

SECTION 7 been added: Provide solvent-resistant and impermeable floor.

SECTION 8 been added: Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

SECTION 9 deleted: not determined

SECTION 9 been added: No information available.

SECTION 10 been added: Reactions with strong acids and alkalies.

SECTION 11 been added: May be fatal if swallowed and enters airways.

SECTION 11 been added: Based on the available information, the classification criteria are not fulfilled.

SECTION 11 been added: On basis of test data

SECTION 11 been added: Toxicological data of complete product are not available.

SECTION 11 been added: The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 11 deleted: not determined

SECTION 12 been added: Do not discharge product unmonitored into the environment.

SECTION 12 deleted: not determined

SECTION 12 been added: No information available.

SECTION 12 been added: The product is insoluble in water.

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