

Lubricator King® Lubricators with sealed Citric
Acid.



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SECTION 1: Identification of the substance / preparation and of the company

1.1 Product identifier

Lubricator King® Automatic Lubricators with sealed
citric acid.

1.2 relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant uses

Automatic Lubrication system.

1.2.2 Uses advised against

None.

1.3 Details of the supplier of the supplier of the safety data sheet

Company

Lubricator King® Distributor CC

44 Sky Street

Highveld Park

Phone: 0720599611

Fax: 086 544 9052

Homepage: www.LUBRICATOR KING.COM

Email: info@LubricatorKing.com

1.4 Emergency phone

Company

+27 (0) 720599611 (Mo-Fr 8:30-16:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

See SECTION 16

2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC

Hazard symbols



Harmful

R-Phrases

R 22: Harmful if forcibly opened and swallowed.

This product is an article and therefore it does not require labelling according to EC
directives/GefStoffV.

2.2 Label elements

Labelling according to regulation 67/548/EEC or 1999/45/EC

Hazard symbols



Harmful

R-phrases

R 22: Harmful if swallowed.

2.3 Other Hazards

Physico-chemical hazards

The structural design of the cells prevents release of the hazardous media contained therein when the unit is used for its intended purpose.

Human health dangers

The contained dangerous materials are not freely available with foreseeable use.

Environmental hazards

The contained dangerous materials are not freely available with foreseeable use.

Other hazards

No particular hazards known.

SECTION 3: Composition / Information on ingredients

3.1 Product-type:

The product is an article.

| Range[%] | Substance |
|----------|---|
| 40-< 60 | Ethylene glycol |
| | CAS: 107-21-1, EINECS/ELINCS: 203-473-3, EU-INDEX: 603-027-00-1 |
| | GHS/CLP: Acute Tox. 4 – H302 |
| | EEC: Xn, R 22 |
| 1 - < 10 | Citric acid |
| | CAS: 77-92-9, EINECS/ELINCS: 201-069-1 |
| | GHS/CLP: Eye Irrit. 2 – H302 |
| | EEC: Xi, R 36 |
| 1 - < 5 | N-(2-hydroxyethyl)-ethylene diaminetriacetic acid, trisodium salt |
| | CAS: 139-89-9, EINECS/ELINCS: 205-381-9 |
| | GHS/CLP: EYE Irrit. 2- H319 |
| | EEC: Xi, R 36 |

Comment on component parts

The concentrations of the ingredients are valid for gas generation cell. They are not for the complete system.

One or several components are named in PRTR Register (Pollutant Release and Transfer Register) See Section 3.

The structural design prevents release of the hazardous media contained therein when the unit is used for its intended purpose.

Substances of Very High Concern – SVHC: substances are not contained or are below 0,1%. For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Measures are only valid for damaged lubrication systems.

Inhalation

Not applicable.

Skin contact

In case of contact with skin wash off immediately with soap and water. Consult a Doctor if skin irritation persists.

Eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion

Not applicable.

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.

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

None.

Be used

5.2 Special hazards arising from the substance or mixture

Unknown risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Do not inhale explosion and /or combustion gases.

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 within the local regulations.

SECTION 6: Accidental release measures

- | | | |
|-----|---|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | |
| 6.2 | Environmental precautions | Not applicable. |
| 6.3 | Methods and material for containment and cleaning up | Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth). Take up mechanically. Dispose of absorbed material in accordance within the regulations. |
| 6.4 | Reference to other sections | See SECTION 8+13 |

SECTION 7: Handling and storage

- | | | |
|-----|--|---|
| 7.1 | Precautions for safe handling | No special measures necessary if used correctly. |
| 7.2 | Conditions for safe storage, including any incompatibilities | No special measures necessary. Protect from heat/overheating. Store in a dry place |
| 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) | Not applicable |
| 8.2 | Exposure controls | |
| | Additional advice on system design | Not applicable. |
| | Eye protection | Safety glasses |
| | Hand protection | The details concerned are recommendations. Please contact the glove supplier for further information. Butyl rubber, >120 min (EN 374). |
| | Skin protection | Not applicable. |
| | Other | Measures are only valid for damaged lubrication systems. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. Wash hands before breaks and after work. |

| | |
|--|---------------------------|
| Respiratory protection | Not applicable. |
| Thermal hazards | No information available. |
| Delimitation and monitoring of The environment exposition | Not determined. |

SECTION 9: Physical and chemical properties

| | | |
|-----|---|---------------------------|
| 9.1 | Information on basic physical and chemical properties | |
| | Form | Capsule |
| | Color | Not determined |
| | Odor | Not determined |
| | Odour threshold | Not determined |
| | pH-Value | 4 (Liquid) |
| | pH-Value [1%] | Not determined |
| | Boiling point [°C] | Not determined |
| | Flash point [°C] | Not applicable |
| | Flammability [°C] | Not determined |
| | Lower explosion limit | Not applicable |
| | Upper explosion limit | Not applicable |
| | Oxidizing properties | No |
| | Vapour pressure/gas pressure [kPa] | Not determined |
| | Density [g/ml] | Not determined |
| | Bulk density [kg/m ³] | Not applicable |
| | Solubility in water | Partially miscible |
| | Partition coefficient [n-octanol/water] | Not determined |
| | Viscosity | Not applicable |
| | Relative vapour density determined | |
| | In air | Not determined |
| | Evaporation speed | Not determined |
| | Melting point [°C] | Not determined |
| | Autoignition temperature [°C] | Not determined |
| | Decomposition temperature | Not determined |
| 9.2 | Other information | No information available. |

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 available).
- 10.3 Possibility of hazardous reactions
No hazardous reactions known.
- 10.4 Conditions to avoid
Strong heating
- 10.5 Incompatible materials
No information available.
- 10.6 Hazardous decomposition products
Hydrogen.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- | | |
|---|----------------|
| Acute toxicity | not determined |
| Serious eye damage/irritation | not determined |
| Skin corrosion/irritation | not determined |
| Respiratory or skin sensitisation | not determined |
| Specific target organ toxicity repeated | |
| Exposure | not determined |
| Mutagenicity | not determined |
| Reproduction toxicity | not determined |
| Carcinogenicity | not determined |
| General remarks | not determined |