

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**

- **Trade name:** LO-CHLOR HYDRA SLIP LUBRICANT

- **Application of the substance / the preparation**

Heavy duty silicone lubricant to protect rubber and plastic parts of swimming pools.

- **Manufacturer/Supplier:**

Total Water Products
Alrewas House
Main Street
Alrewas
Burton on Trent
Staffordshire
DE13 7ED
UK

Tel: (0044) 1283 792600

Fax No: (0044) 1283 792041

e-mail: technical@totalwaterproducts.co.uk

- **Further information obtainable from:** Product safety department.

- **Information in case of emergency:**

Tel: (0044) 1283 792600

2 Hazards identification

- **Hazard description:** Not applicable.

- **Information concerning particular hazards for human and environment:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:**

- **CAS No. Description**

Silicone paste

- **Identification number(s)**

4 First aid measures

- **General information:** No special measures required.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Check for and remove any contact lenses.

Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Wash mouth out with water

Do not induce vomiting; call for medical help immediately.

- **Information for doctor:** Treat symptomatically

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

- **Protective equipment:**

Wear self-contained respiratory protective device.

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Wear fully protective suit.

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6 Accidental release measures

- **Person-related safety precautions:** Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**
 - Do not allow to enter sewers/ surface or ground water.
 - Do not allow to penetrate the ground/soil.
- **Measures for cleaning/collecting:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Send for recovery or disposal in suitable receptacles.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
 - Prevent formation of aerosols.
 - Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
 - Select PPE appropriate for the operations taking place taking into account the product properties.
- **General protective and hygienic measures:**
 - Wash hands before breaks and at the end of work.
 - Avoid close or long term contact with the skin.
 - Do not eat, drink, smoke or sniff while working.
 - Avoid contact with the eyes.
- **Respiratory protection:** Not required.
- **Protection of hands:**
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
 - Safety glasses
 - Goggles recommended during refilling
- **Body protection:** Protective work clothing

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9 Physical and chemical properties

· General Information

Form:	Pasty
Colour:	Silver grey
Odour:	Odourless

· Change in condition

Melting point/Melting range: Undetermined.**Boiling point/Boiling range:** Undetermined.

· Flash point:	> 100°C
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· Ignition temperature:	>250°C
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· Danger of explosion:	Product does not present an explosion hazard.
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· Density at 20°C:	1.0 g/cm ³
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· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
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10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· Materials to be avoided:

Strong oxidising agents.

· Dangerous reactions

No dangerous reactions known.

· Dangerous decomposition products:

No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:

· Primary irritant effect:

· on the skin:

No irritant effect.

· on the eye:

No irritating effect.

· Sensitization:

No sensitizing effects known.

· Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

Silicone fluids are practically inert from a physiological point of view.

12 Ecological information

· Behaviour in environmental systems:

· Mobility and bioaccumulation potential:

Product is not expected to bioaccumulate.

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

From current data, no evidence of adverse effects is apparent.

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13 Disposal considerations

- **Product:**

- **Recommendation**

Contact waste processors for recycling information.

Used, degraded or contaminated product may be classified as hazardous waste. Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

- **European waste catalogue**

Waste key numbers in accordance with the European Waste catalogue (EWC) are origin-referred defined. Since this product is used in several industries, no waste key can be provided by the supplier. The waste key number should be determined in arrangement with your waste disposal partner or the responsible authority.

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**

- **ADR/RID class:** -

- **Maritime transport IMDG:**

- **IMDG Class:** -

- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:**

The substance is not subject to classification according to EU lists and other sources of literature known to us. Observe the general safety regulations when handling chemicals.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:**

Product safety department.

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

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