

Material Safety Data Sheet

According to 91/155 EEC



Printing date 18.10.2006

Reviewed on 18.10.2006

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

· Product details

· Trade name: SILICA GEL ORANGE 2 - 5 mm, with colour indicator

· Article number: P077

· Application of the substance / the preparation Laboratory chemical

· Manufacturer/Supplier:

Carl Roth GmbH + Co.KG

Schoemperlenstraße 3-5

76185 Karlsruhe

Telefon: +49/(0)721 5606-0

Telefax: +49/(0)721 5606-149

Email: info@carlroth.de

· Further information obtainable from: Product safety department.

· Information in case of emergency:

Giftinformation München

Telefon: +49/(0)89 19240

Telefax: +49/(0)89 41402467

2 Composition/information on ingredients

· Chemical characterization:

· CAS No. Description

1327-36-2 aluminate silicate 99.6%

alkaline additive 0.3% (protected by patents)

colour Indicator 0.1% (protected by patents)

· Identification number(s) -

3 Hazards identification

· Hazard description: No hazardous product as specified in Directive 67/548/EEC.

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

· Additional information:

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

4 First-aid measures

· After inhalation: Supply fresh air.

· After skin contact: Rinse with warm water.

· After eye contact: Rinse opened eye for 10 minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth and then drink water.

If symptoms persist consult doctor.

5 Fire-fighting measures

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

6 Accidental release measures

· Person-related safety precautions:

Particular danger of slipping on leaked/spilled product.

Avoid formation of dust.

· Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

· Measures for cleaning/collecting: Pick up mechanically.

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* 7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from water.
- **Further information about storage conditions:**
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from humidity and water.

* 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:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
- **Respiratory protection:** Required when dusts are generated: filter P2 , P3.
- **Protection of hands:**



Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product.

- **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:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

* 9 Physical and chemical properties

· General Information

Form:	Solid
Colour:	Orange
Odour:	Odourless

· Change in condition

Melting point/Melting range: > 1000°C
Boiling point/Boiling range: Undetermined.

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- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:** Not determined.
- **Solubility in / Miscibility with water:** Insoluble.

* 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** Humidity
- **Materials to be avoided:** No information available.
- **Dangerous reactions:** No information available.
- **Dangerous decomposition products:** No information available.

* 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** Quantitative data on the toxicity of this product are not available.
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** Intense exposure may cause irritative symptoms.
- **after inhalation:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
This is a generally physiologically inert substance that displays no hazardous properties.

* 12 Ecological information

- **Ecotoxicological effects:**
- **Aquatic toxicity:** Quantitative data on the ecological effect of this product are not available.
- **General notes:** Generally not hazardous for water

* 13 Disposal considerations

- **Product:**
- **Recommendation**
The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.
- **Uncleaned packaging:**
- **Recommendation:** Disposal according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Remarks:** Not subject to transport regulations.
- **Maritime transport IMDG:**
- **IMDG Class:** -

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

* 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.
- **National regulations:**
- **Waterhazard class:** Generally not hazardous for water.

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:** Environment protection department.
- **Contact:** Herr Hahn
- *** Data compared to the previous version altered.**

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