

Revised on: 07.08.2017

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: Silica gel - Beads orange with indicator 1-3 mm

Article number: 1-7031

CAS Number: 112926-00-8

EC number: 231-545-4

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

No further relevant information available.

Application of the substance / the mixture

- Laboratory chemical

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier:

neoFroxx GmbH
Marie-Curie-Str. 3
D-64683 Einhausen

info@neofroxx.com

Further information obtainable from:

Dep. Quality Control

1.4. Emergency telephone number

+49 (6251) 989 24 - 0 (during normal business hours)

2. Hazards identification

2.1. Classification of the substance or mixture

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

The substance is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

2.3. Other hazards

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable

3. Composition / information on ingredients

3.1. Chemical characterization: Substances

CAS No. Description:

112926-00-8 Silica gel, amorphe

Identification number(s):

EC number: 231-545-4

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4. First aid measures

4.1. Description of first aid measures

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

After skin contact:

Wash off with plenty of water.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth.

If symptoms persist consult doctor.

4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agents: Water, CO₂, foam, powder.

5.2. Special hazards arising from the substance or mixture

Ambient fire may liberate hazardous vapours.

5.3. Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information:

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

Do not inhale dust.

Ensure adequate ventilation

6.2. Environmental precautions:

Do not allow product to reach sewage system or any water course.

6.3. Methods and material for containment and cleaning up:

Pick up mechanically.

Avoid generation of dusts.

Clean up affected area.

Dispose of the material collected according to regulations.

6.4. Reference to other sections

No dangerous substances are released.

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7. Handling and storage

7.1. Precautions for safe handling

Provide suction extractors if dust is formed.

No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container sealed.

Recommended storage temperature: 15-25 °C

Storage class: 10-13

7.3. Specific end use(s)

No further relevant information available.

8. Exposure controls / personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures: Change contaminated clothing.

Respiratory protection:

Required when dusts are generated.

Filter P2

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.

For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.11 mm

Value for the permeation: Level ≥ 480 min

As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.11 mm

Value for the permeation: Level ≥ 480 min

Eye protection: Safety glasses

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Body protection:

Protective work clothing

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information:

Appearance:

Form: Solid

Colour: Orange

Odour: Odourless

pH-value: Not applicable.

Change in condition:

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash point: Not applicable.

Flammability (solid, gaseous): Product is not flammable.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapour pressure: Not applicable.

Density: Not determined.

Solubility in / Miscibility with water: Insoluble.

Viscosity:

Dynamic: Not applicable.

Kinematic: Not applicable.

Organic solvents: 0.0 %

Solids content: 100.0 %

9.2. Other information

No further relevant information available.

10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials:

No further relevant information available.

10.6. Hazardous decomposition products:

No dangerous decomposition products known.

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11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Components	Type	Value	Species
Oral	LD50	>10000 mg/kg	(rat)
Dermal	LD50	>2000 mg/kg	(rabbit)

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

After inhalation: No data available

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.

12. Ecological information

12.1. Persistence and degradability

No further relevant information available.

12.2. Bioaccumulative potential

No further relevant information available.

12.3. Mobility in soil

No further relevant information available.

Additional ecological information:

General notes:

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

Generally not hazardous for water

12.4. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.5. Other adverse effects

No further relevant information available.

13. Disposal considerations

13.1. Waste treatment methods

Recommendation: Chemicals must be disposed of in compliance with the respective national regulations.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

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14. Transport information

14.1. UN-Number

ADR, ADN, IMDG, IATA: Void

14.2. UN proper shipping name

ADR, ADN, IMDG, IATA: Void

14.3. Transport hazard class(es)

ADR, ADN, IMDG, IATA Class: Void

14.4. Packing group

ADR, IMDG, IATA: Void

14.5. Environmental hazards:

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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

UN "Model Regulation": -

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

15.2. Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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.

Abbreviations and acronyms:

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

ICAO: International Civil Aviation Organization

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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent