

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.09.2010

Version-No: 1

Revision: 16.09.2010

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

- **Product details**
- **Trade name:** Orisil 150, 200, 300, 380, hydrophilic amorphous fumed silica
- **Application of the substance / the preparation:**
Auxiliary agent for plastics, lacquer, building materials, elastomer products.
- **Manufacturer/Supplier:**
*ORISIL, Ltd.
31, Schevchenko Street
79039, Lviv, Ukraine*
- **Further information obtainable from:**
*Only Representative (§8 REACH)
Chemservice GmbH
Von-Steuben-Straße 13
D-67549 Worms, Germany
Tel.: +49 6241-95480-0
Fax: +49 6241-95480-25
Email: info@chemservice-group.com*
- **Information in case of emergency:**
*ORISIL, Ltd.
31, Schevchenko Street
79039, Lviv, Ukraine
Tel.: +380 32 2971219 (during office hours)*

2 Hazards identification

- **Hazard description:** *Not applicable.*
- **Information concerning particular hazards for human and environment:**
Not a hazardous substance or preparation according to EC-directive 67/548/EEC.

3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**
7631-86-9 silicon dioxide, chemically prepared
- **Identification number(s)**
- **EINECS Number:** 231-545-4

4 First aid measures

- **General information:** *Take affected persons out of danger area and lay down.*
- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:**
*Immediately wash with water and soap and rinse thoroughly.
Generally the product does not irritate the skin.*
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
*Rinse out mouth and then drink plenty of water.
If symptoms persist consult doctor.*

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5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Wear protective clothing.
Avoid formation of dust.
Keep away from ignition sources.
- **Measures for environmental protection:** Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**
Pick up mechanically.
Dispose of the material collected according to regulations.
Do not create a dust cloud by using a brush or compressed air.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Prevent formation of dust.
Any unavoidable deposit of dust must be regularly removed.
- **Information about fire and explosion protection:**
Dust can combine with air to form an explosive mixture.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
Protect from humidity and water.
Protect from contamination.

8 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Do not inhale dust / smoke / mist.
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

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· **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.

Butyl rubber, BR

Nitrile rubber, NBR

PVC gloves

· **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

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment -**

9 Physical and chemical properties

· **General Information**

Form:	Powder
Colour:	White
Odour:	Odourless

· **Change in condition**

Melting point/Melting range: 1700°C

Boiling point/Boiling range: 2230°C

· **Flash point:** Undetermined.

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

· **Ignition temperature:** 400°C

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

· **Density at 20°C:** 2.2 g/cm³

· **Solubility in / Miscibility with water:** Soluble.

· **pH-value at 20°C:** 3.5-5.5

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Materials to be avoided:**

· **Dangerous reactions** Risk of dust explosion.

· **Dangerous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

7631-86-9 silicon dioxide, chemically prepared

Oral	LD50	10000 mg/kg (Rat)
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13463-67-7 titanium dioxide

Oral	LD50	>20000 mg/kg (Rat)
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Dermal	LD50	>10000 mg/kg (Rabbit)
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Inhalative	LC50 (4h)	>6.82 mg/l (Rat)
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1309-37-1 diiron trioxide

Oral	LD50	>5000 mg/kg (Rat)
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· **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.

· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** No CMR effects

12 Ecological information

· **Information about elimination (persistence and degradability):** Not applicable.

· **Behaviour in environmental systems:**

· **Other information:** No harmful effects expected.

· **Ecotoxicological effects:**

· **Aquatic toxicity:** Not applicable

· **Additional ecological information:**

· **General notes:** Generally not hazardous for water

13 Disposal considerations

· **Product:**

· **Recommendation** Must be specially treated adhering to official regulations.

· **Uncleaned packaging:**

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

14 Transport information

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

· **ADR/RID class:** Not classified

· **Maritime transport IMDG:**

· **IMDG Class:** Not classified

· **Marine pollutant:** No

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- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** Not classified

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

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The substance is not subject to classification according to EU lists and other sources of literature known to us.
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57 :** Not applicable.

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 SDS:**
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Von-Steuben-Str. 13
D-67549 Worms
Tel.: +49 (0)6241-95480-0; Fax: +49 (0)6241-95480-25; Email: info@chemservice-group.com
- **Contact:** info@chemservice-group.com