

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

Item description: ONE Universalliquid 710-0001

Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

Application of the substance Mixing liquid for investments

Manufacturer: **Dentify GmbH**
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78234 Engen / Germany

Information: Tel: + 49-7733-977 62 40, Fax: +49-7733-977 62 44
(Mo – Do 8:00 – 16:30, Fr 8:00 – 15:00)

Emergency: Tel: + 49-7733-977 62 40
(Mo – Do 8:00 – 16:30, Fr 8:00 – 15:00)

2. Hazards identification

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
Information concerning particular hazards for human and environment:
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data. Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Do not breathe dust.

Label elements
Labelling according to EU guidelines:
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3. Composition/ information on ingredients

Description: Mixture of substances listed below with nonhazardous additions.
Dangerous components: Void.

Additional information: For the wording of the listed risk phrases refer to section 16.

4. First aid measures

General information: Immediately remove any clothing soiled by the product.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Wash with water and soap.

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After eye contact: In case of skin irritation, seek medical treatment.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse mouth immediately and drink large quantities of water. Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. Firefighting measures

Extinguishing media
Suitable extinguishing agents: The product itself does not burn.
Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: No further relevant information available.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters
Protective equipment: No special measures required.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation

Environmental precautions:
Do not allow product to reach sewage system or any water course.
Prevent from spreading (e.g. by damming-in or oil barriers).
Fill in another container for disposal.

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.

Reference to other sections
No dangerous substances are released.

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling and Storage

Precautions for safe handling
The usual precautionary measures are to be adhered to when handling chemicals.

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

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles:
Unsuitable material for receptacle: Aluminium.
Unsuitable material for receptacle: Copper.
Unsuitable material for receptacle: Mild steel.
Storage temperature: of 5 up to 35 °C.
Keep container tightly closed.
Protect from frost.

Information about storage in one common storage facility: No special measures are necessary.
Further information about storage conditions: None.

Storage class: 12 - Non-flammable liquids.

Specific end use(s): No further relevant information available.

8. Exposure controls/ personal protection

Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Not necessary if room is well-ventilated.

If occupational exposure limits (OEL) and other exposure limits are observed long-term, no particular precautions are normally required. Use suitable respiratory protective device in case of insufficient ventilation.

Filter P2.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product. 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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. Safety glasses.

Eye protection:

Body protection:

Protective work clothing.

Take off contaminated clothing and wash before reuse.

9. Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid
Colour: whitish.
Odour: Odourless

pH-value at 20°C: 9-10

Change in condition

Melting point: 0°C
Boiling point: 100°C

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Self-igniting: Product is not selfigniting.

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

Density at 20°C: 1.1 – 1.4 g/cm³

Solubility in / Miscibility with water: dispersible

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic at 20 °C: < 20 mPas

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Other information No further relevant information available.

10. Stability and reactivity

Reactivity No data available.
Chemical stability No decomposition if used according to specifications.
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid Frost.
Incompatible materials: Contact with acids may cause gelling.
Hazardous decomposition products: No dangerous decomposition products known.

11. Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:
7631-86-9 silicon dioxide, chemically prepared
Oral LD50 >2000 mg/kg (Rat)

Primary irritant effect:

on the skin: Minor irritant effect.
on the eye: Minor irritant effect.

Sensitization:

No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. Ecological information

Aquatic toxicity:

7631-86-9 silicon dioxide, chemically prepared
EC50 >10000 mg/kg (Activated sludge)
LC50/96 h 5000 mg/l (Fish)

Persistence and degradability

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

Additional ecological information:

General notes:

Generally not hazardous for water.

Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

Other adverse effects

No further relevant information available.

13. Disposal considerations

Waste treatment methods

Recommendation

Waste disposal according to official state regulations.

Waste disposal key:

The waste disposal code as prescribed in the European Waste Catalogue (EWC) depends on the waste producer and can thus vary for a product. The waste disposal code should thus be obtained separately from the waste producer in each case.

European waste catalogue

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Uncleaned packaging:

Recommendation:

Non contaminated packagings may be recycled.
Packaging may be reused or recycled after cleaning.

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Disposal must be made according to official regulations.

14. Transport information

UN-Number	ADR, ADN, IMDG, IATA	Void.
UN proper shipping name	ADR, AND, IMDG, IATA	Void.
Transport hazard class(es)	ADR, AND, IMDG, IATA	Void.
Packing group	ADR, IMDG, IATA	Void
Environmental hazards:		
Marine pollutant:		No
Special precautions for user		Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:		Not applicable.
UN "Model Regulation"		UN,-,-

15. Regulatory information

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

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.

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.

Department issuing MSDS:	Department of product security.
Abbreviations and acronyms:	
ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association

The above given data are based upon our stand of knowledge and experience from the issuing date, they do not have any relevance of characteristics warranty. No responsibility will be taken for the faultlessness and integrity.