

MATERIAL SAFETY DATA SHEET according to Regulation 1907/2006/EC, Article 31
DEUREX[®] S 3001 W

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

1.1. Product identifierTrade names: DEUREX[®] S 3001 W**1.2. Relevant identified uses of the substance or mixture and uses advised against**Relevant identified uses
Additive**1.3. Details of the supplier of the safety data sheet**DEUREX AG
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www.Deurex.com**1.4. Emergency telephone number**Common poisons information centre of the Federal States
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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixtureClassification according to Regulation (EC) 1272/2008 [CLP]:
None.**2.2. Label elements****Hazard Statements**

None.

Precautionary Statements**Prevention:**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves / eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410	Protect from sunlight.
P411	Store at temperatures not exceeding 30°C.
P501	Dispose of contents/container in accordance with local/regional/ national/international regulations.

Additional information: EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

The substances do not meet the criteria for classification as PBT or vPvB

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Chemical identity and characterisation:

Chemical identity: Water-based emulsion

Dangerous components : Void.

Most important ingredients

CAS: 7732-18-5

EINECS: 231-791-2 water, distilled, conductivity or of similar purity 55-65%

CAS: 7631-86-9

EINECS: 231-545-4 silicon dioxide, chemically prepared 35-45%

Reg.nr.: 01-2119379499-16-0065

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information: No special measures required.

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

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: 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.

SECTION 5: FIREFIGHTING MEASURES

5.1. Suitable Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

No further relevant information available.

5.3. Advice for firefighters

Protective equipment: No special measures required.

Additional information Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

6.2. Environmental precautions

Dilute with plenty of water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep receptacles tightly sealed.

No special precautions are necessary if used correctly.

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:

Protect from frost.

Protect from heat and direct sunlight.

Storage class: 12

7.3. Specific end use(s)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

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

DNELs

7631-86-9 silicon dioxide, chemically prepared

Inhalative DNEL 4 mg/m³ (hum)

PNECs

7631-86-9 silicon dioxide, chemically prepared

PNEC aqua (fw) n.a. mg/L (freshwater)

PNEC aqua (ir) n.a. mg/L (intermittent release)

PNEC aqua (mw) n.a. mg/L (marine water)

8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures: Use skin protection cream for skin protection.

Respiratory protection: Not required.

Protection of hands:

Protective gloves and protective skin cream

Preventive skin protection by use of skin-protecting agents is recommended.

Material of gloves

Nitrile rubber, NBR

Butyl rubber, BR

Recommended thickness of the material: ³ 0.35 mm

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.

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

Nitrile rubber, NBR

Butyl rubber, BR

Not suitable are gloves made of the following materials:

Strong material gloves

Leather gloves

Eye protection: Goggles recommended during refilling

Body protection: Protective work clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Colour:	Whitish
Odour:	Ammonia-like
Odour threshold:	Not applicable.
pH-value at 25 °C:	9-10

Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.

Explosive properties:	Product does not present an explosion hazard.
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Explosion limits:

Lower:	Not determined.
Upper:	Not determined.
Vapour pressure at 20 °C:	23 hPa
Density at 20 °C:	1.25-1.35 g/cm ³
Relative density	Not determined.

Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient:	
n-octanol/water:	Not determined.
Viscosity:	
Dynamic at 25 °C:	< 20 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	0.0 %
Water:	55-65 %
Solids content:	35-45 %

9.2 Other information

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

No decomposition if used and stored according to specifications.

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.

SECTION 11: TOXICOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

7631-86-9 silicon dioxide, chemically prepared

Oral	LD50	>10000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4 h	>2080 mg/m ³ (rat)

Primary irritant effect:

Skin corrosion/irritation

7631-86-9 silicon dioxide, chemically prepared

Irritation of skin IS 0 (rabbit) (OECD 404)
not irritating

Based on available data, the classification criteria are not met.

Serous eye damage/irritation

7631-86-9 silicon dioxide, chemically prepared

Irritation of eyes IS 0 (rabbit) (OECD 405)
not irritating

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Sensitisation

No sensitizing effect known.

Repeated dose toxicity

7631-86-9 silicon dioxide, chemically prepared

Oral	NOAEL	4500 mg/(kg bw d) (mice) (OECD 452/453)
		2000 mg/(kg bw d) (rat) (OECD 452/453)
Inhalative	NOEL	8000 mg/(kg d) (rat) (OECD 408)
	LOAEC	25.1 mg/m ³ (rat) (OECD 412 (5 d))
	NOAEC	5.13 mg/m ³ (rat) (OECD 412 (5 d))
	NOAEL	1 mg/m ³ (hum)
	NOEC	0.94 mg/m ³ (rat) (OECD 412 (5 d))

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

7631-86-9 silicon dioxide, chemically prepared

AMES Test	>5 mg/plate (in-vitro) (OECD 471) negative with and without metabolic activation
NOAEL fertility	500 mg/(kg bw d) (rat) (6 months)
NOAEL teratogenicity	1600 mg/(kg bw d) (rabbit) (OECD 414)

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity

7631-86-9 silicon dioxide, chemically prepared

EL0/24 h	1000 mg/L (daphnia)
EL50/24 h	>10000 mg/L (daphnia)
EL50/72 h	>10000 mg/L (scenedesmus subspicatus)
LL0/96 h	10000 mg/L (brachydanio rerio)
PNEC aqua n.a.	mg / L

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: Generally not hazardous for water

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATION

13.1. Waste treatment methods

Recommendation

Subsequent information refers to the deliver goods not to used goods.

Disposal must be made according to official regulations.

European waste catalogue

06 08 99 wastes not otherwise specified

15 01 02 plastic packaging

15 01 04 metallic packaging

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

Transport only in accordance with ADR for road haulage, RID for rail transportation, ADNR/IMDG for carriage by vessel/sea and IATA for carriage by air.

	Road traffic - ADR - Rail traffic - RID -	Barge traffic - ADNR - Maritime traffic - IMDG -	Air traffic - IATA -
14.1. UN number	No hazardous materials	No hazardous materials	No hazardous materials
14.2. UN proper shipping name	No hazardous materials	No hazardous materials	No hazardous materials
14.3. Transport hazard class(es)	No hazardous materials	No hazardous materials	No hazardous materials
14.4. Packing group	No hazardous materials	No hazardous materials	No hazardous materials
14.5. Environmental hazards	No hazardous materials	No hazardous materials	No hazardous materials
14.6. Special precautions for user → Chapters 6 to 8.			
14.7. Transport in bulk according to Annex II of MARPOL73/8 and the IBC Code Not applicable.			

SECTION 15: REGULATORY INFORMATION

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

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

Hazard pictograms Void

Signal word Void

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves / eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P410 Protect from sunlight.

P411 Store at temperatures not exceeding 30°C.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

SECTION 16: OTHER INFORMATION

Further information:

The information is based on our present knowledge, it is correct and complete. However, this information is given without a guarantee. It remains the responsibility of the user to satisfy itself whether the information is appropriate and complete for his special use of the product.

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 Organisation

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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative