

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

SECTION 1:

IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Solenal

Product code: SOL 0001

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

Use of the substance/mixture Disinfectants

1.3 Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

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SECTION 2:

HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements

Regulation (EC) No. 1272/2008

Special labelling of certain mixtures
Read attached instructions before use.

2.3. Other hazards

No information available.

SECTION 3:

COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Chemical characterization

Electrochemically activated disinfectant solution made from natural salts and water. Contains up to 600 mg / l free chlorine.

SECTION 4:

FIRST AID MEASURES

4.1. Description of first aid measures

After inhalation

No special measures are necessary.

After contact with skin

No special measures are necessary.

After contact with eyes

No special measures are necessary.

After ingestion

No special measures are necessary.

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

No information available.

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

Treat symptomatically.

SECTION 5:**FIREFIGHTING MEASURES****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

SECTION 6:**ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

No special measures are necessary.

6.2. Environmental precautions

No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7:

HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling	No special measures are necessary.
Advice on protection against fire and explosion	No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels	Keep container tightly closed.
Hints on joint storage	No special measures are necessary.

7.3. Specific end use(s)

Disinfectant

SECTION 8:

EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Additional advice on limit values	To date, no national critical limit values exist.
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8.2. Exposure controls

Appropriate engineering controls	Provide adequate ventilation as well as local exhaustion at critical locations.
Protective and hygiene measures	Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.
Protective and hygiene measures	Eye protection: not required.
Hand protection	Hand protection is not required.
Skin protection	Body protection: not required.
Respiratory protection	Usually no personal respirative protection necessary.
Environmental exposure controls	No special environmental measures are necessary.

SECTION 9:

PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	colourless
Odour:	like: Chlorine
pH-Value:	6,0 - 9,0

Changes in the physical state

Melting point:	-3 - 0 °C
Initial boiling point and boiling range:	98 - 102 °C
Flash point:	not applicable

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

The product is not: Explosive

Lower explosion limit::	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:

not determined

Oxidizing properties

Not oxidising.

Vapour pressure:	not determined
Density:	1,001 - 1,004 g/cm ³
Water solubility:	practically insoluble

Solubility in other solvents

not determined

Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Vapour density:	not determined
Evaporation rate:	not determined

9.2. Other information

Odour threshold:	not determined
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SECTION 10:**STABILITY AND REACTIVITY****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11:**TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

Acute toxicity	Based on available data, the classification criteria are not met.
Irritation and corrosivity	Based on available data, the classification criteria are not met.
Sensitising effects	Based on available data, the classification criteria are not met.
Carcinogenic/mutagenic/toxic effects for reproduction	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

The product is not: Ecotoxic.

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

SECTION 13:

DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods**Disposal recommendations**

Dispose of waste according to applicable legislation.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14:

TRANSPORT INFORMATION

Land transport (ADR/RID)**14.1. UN number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)**14.1. UN number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)**14.1. UN number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)**14.1. UN number:**

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group:

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15:**REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water contaminating class (D): - - not water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16:**OTHER INFORMATION****Changes**

This data sheet contains changes from the previous version in section(s): 1,3.

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
GHS: Globally Harmonized 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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)