

Institut für innovative Technologien GmbH



Technische Dienstleistungen • Unternehmensberatung • Forschung/Entwicklung • Aus- und Weiterbildung
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Safety Data Sheet

According EC-directives 91/155/EWG

Version date: 25.07.2008

1. Identification of the substance/preparation and the company

- **Produktidentification:**

- **Product name RED-sys**
- **Order Code: 6282 0002**

- **Manufacturer identification:**

Company: Institut für innovative Technologien ITA GmbH Germany
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D-06366 Köthen
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Emergency Telephone No:

Fon:+49(0)30/19240
Landesberatungsstelle für Vergiftungserscheinungen und
Embryonaltoxikologie - Senatsverwaltung für Gesundheit
Spandauer Damm 130, 14050 Berlin; Germany

2. Composition / Information on ingredients

- **Chemical characterization:**

Diluted aqueous solution of sodium chloride.
Sodium hydroxide(CAS-Nr. 1310-73-2)
Hydrogen peroxide (CAS-Nr. 7722-84-1)
Electrochemical fabrication

- **Ingredients:**

7647-14-5	Sodium chloride	≤ 0.5.0%
1310-73-2	Sodium hydroxide	0.03 - 0.6%
7722-84-1	Hydrogen peroxide	< 0.005%

3. Hazards identification:

- **Specific danger signals for man and environment**

No hazardous product as specified in Directive 67/548/EEC at appropriate handling.

- **Classification system:**

The classification is conform with the currently EC-register, is supplemented with specifications in technical literature and details by company.

4. First aid measures

- After inhalation :
Not applicable.
- After ingestion:
Drink plenty water. Induce vomiting.

5. Fire-fighting measures

- Suitable extinguishing media:
Product non combustible.
- Other informations:
Not to make arrangements.

6. Accidental release measures

- Person-related precautionary measures:
Safety glasses recommended.
Clean up affected area with water.
 - Additional notes: -
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7. Handling and storage:

- Handling:
Canister to open and handle with care.
- **Details at the fire security and explosion control:**
Not to make arrangements.
Product non combustible.
Non explosion risk.
- **Storage:**
Store in original container only.
To keep cool.
- Container closed well and kept cool at 25°C. Don't store at sun or UV-light.

8. Exposure controls/personal protection

Not to make arrangements.

- Respiratory prot: Needless
 - Eye prot: Safety glasses recommended
 - Hand prot: Needless
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9. Physical and chemical properties

- Form: liquid
 - Colour: colorless
 - Odour: Fast odourless
 - pH-value: (20°C) about 12.0
 - Melting temperature: -
 - Boiling temperature: ≥100°C
 - Ignition temperature: -
 - Flash point: -
 - Explosion limits: -
 - Density: (20°C) 1.02 g/cm³
 - Solubility: In water soluble
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10. Stability and reactivity

- Conditions to be avoided/hazardous decomposition products
Not any dissociation at appropriate practice.
 - Hazardous reaction:
Not
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11. Toxical information

- -
- Incorporation of the product to be avoided.
- After skin contact
-
- After eye contact
-
- Sensitizing
-
- Further details:
At orale ingestion of table salt not toxic.

12. Ecological information:

- Ecotoxics effects:
For appropriate use there are no biological effects to be expected.
 - General information:
Not harmful to water.
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13. Disposal considerations:

- Product:

- Might after neutralization with water to be disposed of.
 - **Waste code number:**
 - ÖNORM: 53507
 - Name: Cleanser
 - **Packaging:**
Disposal in compliance with local regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or reused.
 - **Recommended cleanser:**
Water
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14. Transport information

- **Land transport ADR/RID und GGVS/GGVE**
 - ADR/RID-GGVS/E-Klasse: Not classified
 - **Sea transport IMDG/GGVSee:** : Not classified
 - **Lufttransport ICAO-TI und IATA-DGR:** Not classified
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15. Labelling according to EC directives

- The product is after EC directives to be classified and labeled.
- **Code letter and hazard symbol:**
Not hazardous substance.
 - **R-phases:**
Not
 - **S-phases:**
Not
 - **German regulations:**
 - **Water pollution class:** No water pollution substance
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16. Other informations

- To observe the informations at the label of container.
- **Contact person:** Prof.Dr.D.Deininger, +49-(0)3496-412880 Germany