

Material Safety Data Sheet

according to 91/155/EEC

ProMinent®

H₂O₂-Reagent-03

Revision: 05-09- 2005

1. Product and Company Identification

Product Identification:

H₂O₂- Reagent - Part No.: 1023636

Company Identification:

ProMinent Dosiertechnik GmbH
69123 Heidelberg, Im Schuhmachergewann 5-11
-Germany-
Tel: +49 (0)6221 842-0

REG- No.: HRB 1350 / Heidelberg

2 Composition / Information on Ingredients

Contains: - Titanylsulfate (TiOSO₄) CAS No 13825-74-6 <10 %
- Sulfuric Acid (H₂SO₄) CAS No 7664-93-9 < 25 %
in aqueous solution.

Hazardous ingredients for health: contains > 15 % Sulfuric Acid
Symbol: C (corrosive) R-phrased: 35

3 . Hazards Identification of the Product

R 35: Causes severe burns

4 . First aid measures

after skin contact: Rinse with running water and soap. Skin care.
Remove contaminated clothes.

after eye contact: Immediately flush eyes with copious amounts of running water
(at least for 10 minutes) see an oculist.

After ingestion: Drink plenty of water. Avoid vomiting. Immediately see a physician.

5. Fire-fighting measures

Suitable extinguishing media: are to be fit in with the environment

Extinguishing media which must not be used for safety reasons: not applicable

Special exposure hazards: not flammable.

6. Accidental release measures

Personal Precautions: Avoid contact with skin and eyes.

Environmental precautions: Do not allow to flow into drainage system.

Methods of cleaning up / of removing: dilute with plenty of water, then neutralize with
alkaline solutions, lime (CaCO₃), soda (Na₂CO₃) or sodium bicarbonate (NaHCO₃).

7. Handling and storage

Handling: The product is to be handled with the usual care and caution for chemicals.

Storage: Keep original container tightly sealed.

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8. Exposure / personal protection

Components with specific control parameters:

Sulfuric Acid: 1 mg/m³ peak limit: -1- (TRGS 900)

Eye protection: necessary

Hand protection: necessary

9. Physical and chemical properties:

physical state: liquid

colour: colourless

odour: odourless

pH-value: approx. 0 (undiluted at 20 °C)

cold sensitivity: under -5 °C

flash point: not applicable

vapour pressure: (aqueous solution)

relative density: approx. 1.2 kg/l (20 °C)

solubility: miscible in water (20 °C)

10. Stability and Reactivity

Conditions to avoid: no decomposition if used according to specifications

Materials to avoid: reaction with lyes: heat generated

reaction with metals: hydrogen released

Hazardous decomposition products: none known

11. Toxicological Information

Quantitative data regarding the toxicology of the product are not known.

Titanylsulfate LD50 : not available

Sulfuric Acid LD50 : 2140 mg/kg (oral, rat)

After skin contact: severe burns with formation of scabs.

After eye contact: burns, corneal lesions

After swallowing: severe pain (risk of perforation), nausea, vomiting

12. Ecological Information

Degradability: not pertinent, inorganic product

Aquatic toxicity: Harmful due to pH shift.

In case of discharging the acidic product into the sewerage system, the treated waste water should have a pH-value according to local discharge regulations.

13. Disposal Considerations

In consultation with the responsible local authority, must be subjected to special treatment: neutralisation. In case of chemical collecting actions of the authorities, small containers can be handed over together with this safety data sheet.

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14. Transport Information

The product is a hazardous material according to the transport norms:

GGVS/ADR/GGVE/RID : class 8/1b

IMDG-Code : 8/II UN 2796

ICAO/IATA : 8 UN 2796 PAX 809 CAO 813

15. Regulations

Classification and labelling according to the norm for hazardous materials

→ annex II No 1, dated on Nov. 1st 1993:

Symbols of danger: C Corrosive

R-phrases: R 35: Causes severe burns

S-phrases: S 26-30-36/37/39-45

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Never add water to this product.

Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

National Prescriptions: water pollution class (WGK): 1

16. Other Information

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Since ProMinent cannot anticipate or control the conditions under which this product may be used, each user must, before using this product, assess and control the risks arising from their use of this product.