

MATERIAL SAFETY DATA SHEET

REVISION DATE: 4/1/2008

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY Magnesium Peroxide, approx. 25% MgO₂

Supplier : AYERS INTERNATIONAL CORP

P.O. Box 4312
Greenwich, CT 06831
Tel : 203-329-8919 Fax : 203-329-8966

Name of Manufacturer: Dr. Paul Lohmann, GmbH D-31860 Emmerthal

2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No. 1335-26-8 EOMECs-No. 215-627-7 Code-No. 073
Chemical Characterization: approx. 25% MgO₂

3. HAZARDS IDENTIFICATION

Oxidizing

Specific information on human and environmental hazards: *Irritating to eyes and skin.*

4. FIRST AID MEASURES

General Information: Change clothing if contaminated with the product.

Inhalation : Remove to fresh air.

Skin contact : Wash with soap and plenty of water.

Eye contact : In case of contact with eyes rinse thoroughly with plenty of water and seek medical advise.

Ingestion : Rinse out mouth and then give plenty of water to drink. Refer for medical treatment.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Product itself is non-combustible; use any means suitable for extinguishing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : See section 8.

Methods for cleaning up : Spills should be mechanically collected in a suitable container for proper disposal or recovery. Wash area with sufficient water.

7. HANDLING AND STORAGE

Handling : Usual safety precautions should be observed to ensure safe handling. Adequate exhaust system in areas where workers are exposed to dusting. Avoid contact with moisture.

Advise of protection against fire and explosion:

The product is non-combustible.

Storage : Isolate from flammable substances . Do not store together with acids.

Further information on Storage conditions: To be kept in well closed containers in a cool & dry place.

Recommended storage temperature: below 25°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Requirements for technical facilities : Provision of adequate exhaust system in working areas.

General protective and hygienic measures: Wash thoroughly after handling.

- **Respiratory protection :** Dust safety masks are recommended

- **Hand protection :** Gloves are recommended.

- **Eye protection :** Safety glasses with side-shields.

- **Body protection :** Rubber or plastic apron.

Hygiene measures : Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Powder **Color** : white

Odor : none

Flash point (°C) : not applicable

Upper explosion limit: not applicable

Lower explosion limit: not applicable

Autoignition temperature (°C) : not applicable

pH value ca.10/20°C 10g/l (slurry)

Further Information

Practically insoluble in water.

10. STABILITY AND REACTIVITY

Conditions to avoid : *Temperatures above 25°C (decomposition). Temperatures above 375°C (rapid decomposition)*

Moisture

Light

Materials to avoid:

Reducing agents & combustible materials

Acids (formation of hydrogen peroxide)

Hazardous decomposition products

Hydrogen peroxide

Additional information

Violent decomposition in case of fire.

11. TOXICOLOGICAL INFORMATION

Acute toxicity for classification relevant values:

- no relevant data known

- **Subacute/chronic toxicity Longterm tests:**

No information available

Human experience:

Irritating to eyes and skin.

Irritates the mucous membrane.

12. ECOLOGICAL INFORMATION

Information on elimination (persistancy & biodegradability)

Environmental effects

Water hazard class:0 (see section 13)

Ecotoxicological effects Aquatic toxicity

No relevant data available

General Information

Reacting with water may produce magnesium oxide and hydrogen peroxide, further decomposing into water & oxygen.

13. DISPOSAL CONSIDERATIONS

Product disposal

As permitted under appropriate Federal, State and Local Regulations.

Contaminated packaging

As permitted under appropriate Federal, State and Local Regulations.

Recommended cleansing agent : Water

14. TRANSPORT INFORMATION

UN1476, ICAQ/IATA class 5.1, EMS-No. 5.1-04

15. REGULATORY INFORMATION

Labeling according to EEC Directives

O: Oxidizing

Contact with combustible material may cause fire.

24/25: Avoid contact with skin & eyes

27: Take off immediately all contaminated clothing.

PRINT DATE: 3/23/08

16. OTHER INFORMATION

No information available.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.