



ESSIX  
RESOURCES INC

## SAFETY DATA SHEET

Essix Resources, Inc.  
1990 Reeves Rd.  
Warren, Ohio 44483

Emergency Telephone Number: (330) 372-2832  
Revision Date:

### 1. Identification of the substance/Preparation and of the company/undertaking

Product name: DEAD BURNED MAGNESITE  
Identification of the substance or preparation: Dead Burned Magnesite

Chemical characterization: Dead Burned Magnesite (Natural Mineral, dead burned)  
MgO: 90%, SiO<sub>2</sub>: 4.5%, CaO: 2.6%, Fe<sub>2</sub>O<sub>3</sub>: 1.8%, Al<sub>2</sub>O<sub>3</sub>: 1.5%  
CAS-Nr : 215-171-9  
EINECS-Nr: 1309-48-4  
Dangerous Contents: not applicable, no dangerous good

### 2. Hazards identification

No hazardous product as specified in Directive 67/548/EEC

### 3. First Aid measures

Inhalation: If inhaled, remove to fresh air. See doctor if necessary  
In case of having swallowed the product: Make victim drink plenty of water. See doctor if feeling unwell  
Eye contact: Rinse out with plenty of water with the eyelid held wide open  
Skin contact: Wash with soap and water

### 4. Fire-Fighting measures

Suitable extinguishing media: In adaptation to materials stored in the immediate neighborhood.  
Special risks: Non-combustible  
Special protective equipment for firefighting: Do not stay in dangerous zone without self-contained breathing apparatus  
Other information: Prevent fire-fighting water from entering surface water of groundwater

### 5. Accidental release measures

Pick up mechanical, avoid dust engendering In case of major spills, and provide ventilation

### 6. Handling and Storage

Storage: Dry storage needed  
Handling: Magnesium oxide is available as dense off-white grains or powder. The material will react slowly with concentrated acids.

## **7. Exposure controls / Personal protection**

Exposure limit values:	Dust limit $3\text{mg}/\text{m}^3$
Respiratory protection:	Dust mask in case of dust formation
Hand protection:	Protective gloves recommended
Eye protection:	Safety glasses recommended
Skin protection:	Normal clean body covering clothes and shoes
Environmental exposure controls:	Disperse dust to avoid

## **8. Physical and chemical properties**

### General information

Form:	solid
Color:	grey to brown
Odor:	none

### Other Information

Melting point:	Softening above approx. $1\ 900^\circ\text{C}$
Bulk Density:	3, 1-3, $15\ \text{g}/\text{cm}^3$

## **9. Stability and reactivity**

Stability:	Highly stable
Conditions to avoid:	Contact with strong acids gives slow reactions and generates heat
Hazardous decomposition products:	not applicable

## **10. Toxicological Information**

The material is classified as not toxic

## **11. Ecological Information**

Magnesium oxide is made from naturally occurring materials which are low in toxicity and should present no unusually hazards to the environment under regular circumstances Users of magnesium oxide should abide by all local, state and federal laws and regulations concerning air and water discharges

## **12. Disposal Information**

No special requirements for dumping can be dumped under consideration of local administrative prescriptions.

## **13. Transport Information**

Not applicable

## **14. Regulatory Information**

Classified as not hazardous

## **15. Others**

*Disclaimer: The Information contained in this Safety Data Sheet is applicable only to Dead Burned Magnesite as defined herein and does not relate to the use of this material in any further processing. The information contained in this document represents the opinions of suitably experts in the field and it is believed that these options are current with the data of issue of the document.*