

# SAFETY DATA SHEET

**Product:** 571-P  
**Revision Date:** 6/01/2015

## 1. MATERIAL IDENTIFICATION

**Product Name:** Ceramabond 571-P

**Product Description:** Off-White, Odorless Powder  
**Product Use:** High Temperature Adhesive Powder

**Manufacturer:** Aremco Products, Inc.  
707-B Executive Blvd.  
Valley Cottage, NY 10989

**Telephone:** 845-268-0039  
**Emergency Phone:** 845-268-0039 or Infotrac (24/7) 800-535-5053

## 2. HAZARDS IDENTIFICATION

**GHS Classification:**  
None

**GHS Symbol:**  
No Pictogram Required

**GHS Signal Word:**  
None

**GHS Hazard Determining Component:**  
None

**GHS Hazard Statements:**  
None

### GHS Precautionary Statements - Prevention:

P261 Avoid breathing dust  
P280 Wear protective gloves/eye protection/face protection.  
P285 In case of inadequate ventilation wear respiratory protection  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

## 3. COMPOSITION

Chemical Name	CAS No.	EC No.	Concentration	GHS Product Identifier
Magnesium Oxide	1309-48-4	215-171-9	70.0-90.0%	None
Aluminum Oxide	1344-28-1	215-691-6	10.0-30.0 %	None

## 4. FIRST AID MEASURES

**After eye contact:** Hold eyelids open and flush with a steady, gentle stream of water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

**After skin contact:** Wash skin with soap and water.

**After inhalation:** In case of inhalation of dust, move to fresh air.

**After ingestion:** If swallowed, do not induce vomiting. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

**Medical Conditions Possibly Aggravated by Exposure:** Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

## 5. FIRE FIGHTING MEASURES

<b>Flash Point:</b>	Not applicable
<b>Flammable Limits:</b>	This material is non-combustible.
<b>Extinguishing Media:</b>	This material is compatible with all extinguishing media.
<b>Special Fire Fighting Procedures:</b>	Protective actions and/or special protective equipment depending on surrounding fire. Use protective clothing and self-contained breathing apparatus.
<b>Unusual Fire &amp; Explosion Hazards:</b>	This material is in principle not combustible, not explosive and not flammable. However, magnesium oxide may ignite in the presence of interhalogens such as chlorine trifluoride or bromine pentafluoride. Magnesium oxide may also ignite and explode when heated with sublimed sulfur, magnesium powder or aluminum powder.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Protection:</b>	Wear personal protective equipment to prevent inhalation of dust and skin exposure.
<b>Spill Cleanup:</b>	Mop or sweep up spills. Place into appropriate container for disposal. Discharge in accordance with federal, state and local regulations or permits. Avoid contact with halogens and strong acids.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.
<b>Storage:</b>	Store in a dry area in clean plastic or stainless steel containers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	CAS No.	EC No.	PEL (mg/m <sup>3</sup> )	TLV (mg/m <sup>3</sup> )
Magnesium Oxide	1309-48-4	215-171-9	10	15
Aluminum Oxide	1344-28-1	215-691-6	10	15

<b>Engineering Controls:</b>	Use with adequate ventilation. Avoid dust formation. Keep containers closed. Safety shower and eyewash fountain should be within direct access.
<b>Respiratory Protection:</b>	If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved dust respirator is required.
<b>Skin Protection:</b>	Wear body-covering protective clothing and gloves.
<b>Eye Protection:</b>	Wear safety glasses with side shields.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical here represent typical properties of this product. Contact Technical Sales for detailed specifications.

<b>Appearance:</b>	Powder
<b>Color:</b>	Off-White
<b>Odor:</b>	Odorless
<b>pH:</b>	8-10.5
<b>Specific Gravity, g/cc</b>	3.00-3.90
<b>Water Solubility:</b>	Insoluble
<b>Melting Point Range:</b>	Not determined
<b>Boiling Point Range:</b>	Not determined
<b>Decomposition temperature:</b>	No available information
<b>Auto-ignition temperature</b>	Does not ignite
<b>Flash point:</b>	None
<b>Flammability:</b>	Non-Flammable

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	This material is stable under all conditions of use and storage.
<b>Conditions to Avoid:</b>	None.
<b>Materials to Avoid:</b>	Magnesium oxide may ignite in the presence of interhalogens such as chlorine trifluoride or bromine PR phosphorous pentafluoride. Magnesium oxide may also ignite and explode when heated with sublimed sulfur, magnesium powder or aluminum powder. Exposure to strong acids may also cause vigorous reaction and heat generation.

**Hazardous Decomposition Products:** Fumes may be generated if magnesium oxide is heated to the point of volatilization (> 1700 C),  
**Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity Data:</b>	Oral:	None
	Eye:	None
	Dermal:	Not absorbed by intact skin. Intimate contact of naked skin to magnesium oxide dust may cause irritation, drying and chapping.
	Inhalation:	Short-term inhalation of magnesium oxide dust or fume may cause temporary irritation of upper respiratory track, skin, nose and eyes. No known allergic responses.
<b>Chronic Toxicity Data:</b>	Oral:	Magnesium oxide: After repeated exposure, man, 800 mg/m3, no observed effect. After repeated exposure, cattle, target organ: gastro-intestinal system, 1% irritating effect.
	Inhalation:	Magnesium oxide: After repeated exposure, rat, 3 mg/m3, no observed effect.
	Eye:	May cause eye irritation.
	Mutagenic Effects:	No known studies. Not considered to be mutagenic in general.
	Carcinogenic Effects:	Substance is not classified as carcinogenic under ACGIH, NIOSH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Not water endangering. Aquatic toxicity is unlikely due to low solubility.
<b>Persistence &amp; Degradability:</b>	Magnesium oxide reacts with water to produce magnesium hydroxide. The reaction is self-limiting because of the formation of insoluble magnesium hydroxide. No other data concerning degradation are available.
<b>Bioaccumulative Potential:</b>	Not expected.
<b>Mobility in Soil:</b>	Not expected.
<b>PBT and vPvB Assessment:</b>	No information available.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Method:</b>	Dispose in accordance with federal, state and local regulations and permits. Evaporate water from sol and dispose of the solids in a landfill.
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## 14. TRANSPORTATION INFORMATION

<b>DOT UN Status:</b>	This material is not a regulated hazardous material for transportation.
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## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

**CERCLA:** No CERCLA reportable quantity has been established for this material.

**TSCA:** All ingredients of this material are listed on the TSCA inventory.

### **SARA Title III**

**Sections 302, 304, 313:** This product does not contain any substances reportable under these sections.

**Sections 311, 312:**

<b>Hazard Classes</b>	<b>Yes/No</b>
Fire Hazard	No
Reactivity Hazard	No
Pressure Hazard	No
Immediate Hazard	No
Delayed Hazard	No

<u>International Inventory</u>	<u>Status</u>
Canada (DSL)	Yes
Europe (EINECS/ELINCS)	Yes
Australia (AICS)	Yes
Japan (MITI)	Yes
South Korea (KECL)	Yes

## 16. OTHER INFORMATION

### NFPA Ratings (Scale 0–4)

Health, 1  
Flammability, 0  
Reactivity, 0  
Personal Protection, F



### HMIS Ratings (Scale 0–4)

Health, 1  
Flammability, 0  
Reactivity, 0  
Personal Protection, F



### Key Legend Information

ACGIH	American Conference of Governmental Industrial Hygienists
ARD	International Agency for Research on Cancer
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
DSL	Domestic Substance List
EC	European Commission
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
ND	Not Determined
NE	Not Established
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RE	Repeat Exposure
RTECS	Registry of Toxic Effects of Chemical Substances
SARA	Superfund Amendments & Reauthorization Act
SARA Title III	Emergency Planning & Community Right to Know Act
SARA Section 302	Extremely Hazardous Substances
SARA Section 304	Emergency Release
SARA Section 311	MSDS/List of Chemicals & Hazardous Inventory
SARA Section 312	Emergency & Hazardous Inventory
SARA Section 313	Toxic Chemicals & Release Reporting
SE	Single Exposure
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TWA	Time Weighted Average

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