

SAFETY DATA SHEET

Product: 675-N
Revision Date: 6/01/2015

1. MATERIAL IDENTIFICATION

Product Name: Ceramacast 675-N
Product Description: Light-Grey Odorless Powder
Product Use: High Temperature Ceramic Potting Compound
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:

Eye Damage Category 1
Skin Irritation Category 1B
STOT SE, Respiratory Category 3

GHS Symbol:



GHS Signal Word:

Danger

GHS Hazard Determining Components:

Aluminum Nitride
Magnesium Oxide
Magnesium Phosphate

GHS Hazard Statements for Health Hazards:

H303 Harmful if swallowed.
H314 Causes skin corrosion/irritation.
H318 Causes serious damage.
H335 STOT SE, Respiratory

GHS Precautionary Statements - Prevention:

P260 Do not breath dust
P264 Wash hands thoroughly after handling
P270 Do not eat or drink when using this product.
P280 Wear protective gloves. Wear eye protection.
P284 Wear respiratory protection

GHS Precautionary Statements – Response:

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Remove contact lenses, if present and easy to do. Rinse cautiously with water for several minutes.
P362 Take off contaminated clothing and wash before reuse.

GHS Storage/Disposal:

P501 Dispose in accordance with local, regional, national or international regulations.

3. COMPOSITION

Chemical	CAS No.	EC No.	Concentration	GHS Product Identifier
Aluminum Nitride	24304-00-5	246-140-8	70.0-90.0 %	H314 Skin Corrosion/Irritation, Cat 1B H319 Serious Eye Damage, Cat 1 H335 STOT, SE; Respiratory System, Cat 3
Magnesium Phosphate Mono Basic	13092-66-5	236-004-6	5.0-15.0 %	None
Magnesium Oxide	1309-48-4	215-171-9	5.0-15.0 %	None

4. FIRST AID MEASURES

Eye Exposure:

Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If a physician is not immediately available, eye irrigation should be continued for an additional 15 minutes.

Skin Exposure:

Immediately wipe excess material off skin with a dry cloth then wash with plenty of soap and water for at least 5 minutes. See medical attention if irritation develops or persists. Remove contaminated clothing and shoes and clean thoroughly before re-use.

Inhalation:

Remove from immediate source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR). If breathing is difficult, administer oxygen if available. Seek medical attention.

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. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

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

Flash Point:

Not applicable.

Flammable Limits:

This material is non-combustible.

Extinguishing Media:

Not applicable.

Special Fire Fighting Procedures:

Not applicable.

Unusual Fire and Explosion Hazards:

This material is non-combustible.

Specific Hazards:

Large amounts may decompose forming hazardous ammonia if water is used.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection:

Wear goggles, protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator to prevent inhalation of dust.

Spill Cleanup:

Collect material with precaution against breathing dust and dispose in accordance with federal, state and local regulations. Large amounts may decompose forming hazardous ammonia on contact with water.

7. HANDLING AND STORAGE

Handling:

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.

Storage:

Store in an area that is cool, dry, and well ventilated. Keep containers closed. Store in clean plastic or metal containers. Incompatible with high pH water and strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical	CAS No.	EC No.	TLV (mg/m ³)	PEL (mg/m ³)
Aluminum Nitride	24304-00-5	246-140-8	10	Not established
Magnesium Phosphate Mono Basic	13092-66-5	236-004-6	10	15
Magnesium Oxide	1309-48-4	215-171-9	10	15

Engineering Controls:	Use with adequate ventilation; mechanical dust collector is recommended. Keep containers closed. Safety shower and eyewash fountain should be within direct access.
Respiratory Protection:	If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved dust respirator is recommended.
Skin Protection:	Wear protective clothing and gloves.
Eye Protection:	Wear chemical goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance:	Powder
Color:	Light-Grey
Odor:	Odorless
Specific Gravity, g/cc	2.00-2.10 (Post-Cure)
Water Solubility:	~10%
Melting Point:	Not available
Boiling Point:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density (air=1):	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability:	This material is stable under all conditions of use and storage.
Conditions to Avoid:	Keep exposure to dust levels below TLV. Avoid rapid heating of the cement that may cause spalling or eruption due to vaporization of water.
Materials to Avoid:	BrCL3 and BrF3. Aluminum nitride forms aluminum hydroxide and ammonia on contact with water.
Hazardous Decomposition Products:	Ammonia.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	No data available.
Serious Eye Damage/Irritation:	No data available.
Respiratory or Skin Sensitization:	No data available.
Germ Cell Mutagenicity:	No data available.
Carcinogenicity:	IARC, ACGIH, NTP, OSHA No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
Reproductive Toxicity:	No data available.
STOT, SE:	No data available.
STOT, RE:	No data available.
Aspiration Hazard:	No data available.
Potential Health Effects:	Inhalation: May be harmful if inhaled. Material can be destructive to the tissue of the mucous membrane and upper respiratory tract. Causes respiratory tract irritation. Ingestion: May be harmful if swallowed. Causes burns.

Skin:
May be harmful if absorbed through skin. Causes skin burns.

Eyes:
Causes eye irritation and burning sensation

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not tested
Environmental Fate: Not tested
Physical/Chemical: Sinks and mixes with water.

13. DISPOSAL CONSIDERATIONS

Disposal Method: Dispose in accordance with federal, state and local rules, regulations and laws.

14. TRANSPORTATION INFORMATION

DOT UN Status: The material is not a regulated hazardous material for transportation.

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:

<u>Hazard Classes</u>	<u>Yes/No</u>
Fire Hazard	No
Reactivity Hazard	No
Pressure Hazard	No
Immediate Hazard	Yes
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
HMIS	Hazardous Materials Identification System
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
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
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average

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