



## 1. PRODUCT AND COMPANY IDENTIFICATION

Company : Euclid Chemical Company  
19218 Redwood Road  
Cleveland, OH 44110  
Telephone : 1-800-321-7628  
Emergency Phone: : U.S. only: 1-800-255-3924  
International Users Call Collect: 1-813-248-0585  
Trade name : Euclid Ns Grout - 50 Lb Bag  
Product code : 088 50

## 2. HAZARDS IDENTIFICATION

### Emergency Overview:

Light Gray. Powder. Dust may irritate nose and throat. Dust irritating to the respiratory tract. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

### Acute Potential Health Effects/ Routes of Entry:

Inhalation : Dust may irritate nose and throat. Dust irritating to the respiratory tract.

Eyes : Direct contact may cause severe irritation. May cause mechanical irritation or abrasion, and possible chemical burns. May cause temporary injury.

Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.

Skin : May cause severe irritation. May cause dryness, cracking, irritation, and chemical burns. May produce cement dermatitis due to primary irritation from alkaline, hygroscopic and abrasive properties.

Aggravated Medical Conditions: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects: Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica.

## 3. PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Cement alumina chemicals	NJ TSRN# 51721300-5813P	40.0 - 70.0
Amorphous silica	7631-86-9	30.0 - 60.0
Calcium salt	7778-18-9	15.0 - 40.0
Naphthalene sulfonate	36290-04-7	3.0 - 7.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	- <1.0

#### 4. FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Eye contact : Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.

Skin contact : Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

#### 5. FIRE FIGHTING MEASURES

Flash point : Not available.

Method : Not available.

Lower explosion limit : Not available.

Upper explosion limit : Not available.

Autoignition temperature : Not available.

Extinguishing media : This product is not expected to burn under normal conditions of use. Use that which is appropriate to the surroundings.

Hazardous combustion products: Not available.

Protective equipment for firefighters: Not applicable. Product is not expected to burn.

Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

#### 6. ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Dampen material with water to control dusting. Scoop up and transfer to appropriate container for disposal. Flush spill area with water.

#### 7. HANDLING AND STORAGE

Prevent inhalation of dust and contact with skin and eyes. Clean hands thoroughly after handling. Precautions also apply to emptied containers. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Store in sealed containers in a cool, dry, ventilated warehouse location.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection equipment

Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved dust respirator where airborne concentrations are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.

Hand protection : Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.

Eye protection : Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (Continued)

Skin and body protection : Prevent contact with shoes and clothing.  
 Protective measures : Use professional judgment in the selection, care, and use. Wear gloves, head coverings and full body clothing as necessary to prevent skin irritation. Washable or disposable clothing may be used. Do not take unwashed clothing home. Work clothes should be washed separately from other clothing and the washing machine rinsed thoroughly following use. Inform the launderer of the proper procedures. Store work clothes and street clothes separately to prevent contamination.  
 Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Chemical Name	CAS Number	Regulation	Limit	Form
Amorphous silica	7631-86-9	ACGIH TWA:	3 mg/m <sup>3</sup>	Respirable particles.
		ACGIH TWA:	10 mg/m <sup>3</sup>	Inhalable particles.
		OSHA PEL:	15 mg/m <sup>3</sup>	Total dust.
		OSHA PEL:	5 mg/m <sup>3</sup>	Respirable fraction.
		OSHA TWA:	0.8 mg/m <sup>3</sup>	
Calcium salt	7778-18-9	ACGIH TWA:	10 mg/m <sup>3</sup>	Respirable fraction.
		OSHA PEL:	5 mg/m <sup>3</sup>	Total dust.
		OSHA PEL:	15 mg/m <sup>3</sup>	Total dust.
		OSHA TWA:	15 mg/m <sup>3</sup>	Respirable fraction.
		ACGIH TWA:	10 mg/m <sup>3</sup>	Inhalable fraction.
Crystalline Silica (Quartz) / Silica Sand	14808-60-7	OSHA TWA:	0.1 mg/m <sup>3</sup>	Respirable.
		OSHA TWA:	0.3 mg/m <sup>3</sup>	Total dust.
		OSHA PEL:	15 mg/m <sup>3</sup>	Total dust.
		OSHA PEL:	5 mg/m <sup>3</sup>	Respirable fraction.
		ACGIH TWA:	0.025 mg/m <sup>3</sup>	Respirable fraction.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Powder  
 Color : Light Gray  
 Odor : None  
 pH : Not available.  
 Vapour pressure : Not available.  
 Vapor density : Not available.

## 10. REACTIVITY/ STABILITY

Stability : Material is stable under normal storage, handling, and use.  
 Hazardous polymerization : Will not occur under normal conditions.  
 Freezing point : Not available.  
 Boiling point/range : Not available.  
 Water solubility : Miscible  
 Specific Gravity : 3.45  
 % Volatile Weight : 0.0 %

## 11. TOXICOLOGICAL INFORMATION

Amorphous silica, CAS-No.: 7631-86-9

Acute oral toxicity (LD-50 oral) : 22,500 mg/kg ( Rat ) 22,500 mg/kg ( Rat ) 15,000 mg/kg ( Mouse )

Formaldehyde, CAS-No.: 50-00-0

Acute oral toxicity (LD-50 oral): 100 mg/kg ( Rat )

Acute inhalation toxicity (LC-50): 0.48 mg/l ( Rat )

## 12. DISPOSAL CONSIDERATIONS

Disposal Method : Not regulated under RCRA. Dispose of in compliance with state and local regulations. Do not incinerate.

## 13. REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.

This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard

Chronic Health Hazard

OSHA Hazardous Components :

Amorphous silica 7631-86-9

Calcium salt 7778-18-9

Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

Formaldehyde 50-00-0

OSHA Status: Considered hazardous based on the following criteria:

Irritant

Carcinogen

OSHA Flammability : Not Regulated

Regulatory VOC (less water and exempt solvent): 0 g/l

VOC Method 310 : 0 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:

Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

U.S. State Regulations:

MASS RTK Components : Amorphous silica 7631-86-9

Calcium salt 7778-18-9

**13. REGULATORY INFORMATION (Continued)**

Penn RTK Components :	Formaldehyde	50-00-0
	Cement alumina chemicals	NJ TSRN# 51721300-5813P
	Amorphous silica	7631-86-9
	Calcium salt	7778-18-9
NJ RTK Components :	Naphthalene sulfonate	36290-04-7
	Cement alumina chemicals	NJ TSRN# 51721300-5813P
	Amorphous silica 7	631-86-9
	Calcium salt	7778-18-9
	Naphthalene sulfonate	36290-04-7
	Crystalline Silica (Quartz)/ Silica Sand	14808-60-7

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

14808-60-7	Crystalline Silica (Quartz)/ Silica Sand
91-22-5	Quinoline
50-00-0	Formaldehyde
91-20-3	Naphthalene

**14. OTHER INFORMATION**

HMIS Rating :

Health 1	0 = Minimum
Flammability 0	1 = Slight
Reactivity 0	2 = Moderate
PPE	3 = Serious
	4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Legend

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|--|---|
| ACGIH - American Conference of Governmental Hygienists                         | PEL - Permissible Exposure Limit                    |
| CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act |   |
| RCRA - Resource Conservation and Recovery Act                                  |   |
| DOT - Department of Transportation   | RTK - Right To Know                                 |
| DSL - Domestic Substance List  | SARA - Superfund Amendments and Reauthorization Act |
| EPA - Environmental Protection Agency  | STEL - Short Term Exposure Limit                    |
| HMIS - Hazardous Materials Information System                                  | TLV - Threshold Limit Value                         |
| IARC - International Agency for Research on Cancer                             | TSCA - Toxic Substances Control Act                 |
| MSHA - Mine Safety Health Administration                                       | TWA - Time Weighted Average                         |
| NDSL - Non-Domestic Substance List   | V - Volume  |

#### 14. OTHER INFORMATION (Continued)

NIOSH - National Institute for Occupational Safety and Health

VOC - Volatile Organic Compound

NTP - National Toxicology Program

WHMIS - Workplace Hazardous Materials Information System

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The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described herein.