

**EUCLID NS GROUT - 50 LB BAG**

Version 1.1

Print Date 07/12/2007

REVISION DATE: 03/14/2007

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : EUCLID NS GROUT - 50 LB BAG
 Product code : 088 50

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

SECTION 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.

SECTION 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	14808-60-7	- <1.0
Sand		



EUCLID NS GROUT - 50 LB BAG

Version 1.1
 REVISION DATE: 03/14/2007

Print Date 07/12/2007

SECTION 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.
- 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.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Amorphous silica	7631-86-9	ACGIH TWA: ACGIH TWA: OSHA PEL: OSHA PEL: OSHA TWA:	3 mg/m3 10 mg/m3 15 mg/m3 5 mg/m3 0.8 mg/m3	Respirable particles. Inhalable particles. Total dust. Respirable fraction.
Calcium salt	7778-18-9	ACGIH TWA: OSHA PEL: OSHA PEL: OSHA TWA: OSHA TWA: ACGIH TWA:	10 mg/m3 5 mg/m3 15 mg/m3 15 mg/m3 5 mg/m3 10 mg/m3	Respirable fraction. Total dust. Total dust. Respirable fraction. Inhalable fraction.
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL: ACGIH TWA:	0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3 0.025 mg/m3	Respirable. Total dust. Total dust. Respirable fraction. Respirable fraction.



EUCLID NS GROUT - 50 LB BAG

Version 1.1
 REVISION DATE: 03/14/2007

Print Date 07/12/2007

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form : Powder
 Color : Light Gray
 Odor : None
 pH : Not available.
 Vapour pressure : Not available.
 Vapor density : Not available.
 Melting point/range : Not available.
 Freezing point : Not available.
 Boiling point/range : Not available.
 Water solubility : Miscible
 Specific Gravity : 3.45
 % Volatile Weight : 0.0 %

SECTION 10 - REACTIVITY / STABILITY

Substances to avoid : Not Applicable.
 Stability : Material is stable under normal storage, handling, and use.
 Hazardous polymerization : Will not occur under normal conditions.

SECTION 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)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

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



The Euclid Chemical Company

EUCLID NS GROUT - 50 LB BAG

Version 1.1
 REVISION DATE: 03/14/2007

Print Date 07/12/2007

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:

NOT REGULATED

SECTION 15 - 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 : Irritant
 hazardous based on the : Carcinogen
 following criteria:

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 0 g/l
 exempt solvent)
 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
	Formaldehyde	50-00-0

Penn RTK Components	: Cement alumina chemicals	NJ TSRN# 51721300-5813P
	Amorphous silica	7631-86-9
	Calcium salt	7778-18-9
	Naphthalene sulfonate	36290-04-7

NJ RTK Components	: Cement alumina chemicals	NJ TSRN# 51721300-5813P
	Amorphous silica	7631-86-9
	Calcium salt	7778-18-9
	Naphthalene sulfonate	36290-04-7



EUCLID NS GROUT - 50 LB BAG

Version 1.1
 REVISION DATE: 03/14/2007

Print Date 07/12/2007

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 |

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	1
Flammability	0
Reactivity	0
PPE	

- 0 = Minimum
- 1 = Slight
- 2 = Moderate
- 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.

Prepared by: Rich Mikol

Legend

- | | |
|--|--|
| 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 |
| NIOSH - National Institute for Occupational Safety and Health | VOC - Volatile Organic Compound |
| NTP - National Toxicology Program | WHMIS - Workplace Hazardous Materials Information System |
| OSHA - Occupational Safety and Health Administration | |