

**EUCO THX - 25 LB PAIL - MTO**

Version 5.0

Print Date 01/16/2013

REVISION DATE: 01/15/2013

SECTION 1 - PRODUCT IDENTIFICATION / PREPARATION INFORMATION**Product Information**

Trade name : EUCO THX - 25 LB PAIL - MTO
Product code : 88X 25

Supplier : Euclid Canada
2835 Grande-Allée
St-Hubert, QC J4T 2R4
Telephone : 1-800-667-0920
Emergency Phone: : (613) 996-6666

Preparation Information

Prepared by: : Sewnauth Raghunandan
Date: : 01/15/2013
Telephone : (416) 421-3300

SECTION 2 - HAZARDS IDENTIFICATION**Emergency Overview**

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, hydroscopic and abrasive properties.

Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

The International Agency for Research on Cancer (IARC) has classified ceramic fiber, fibrous glasswool, and mineral wool (rockwool and slagwool) as possible human carcinogens (Group 2B) based on sufficient evidence of carcinogenicity in animals but insufficient data in humans. In the National Toxicology Program's (NTP) 7th Annual Report on Carcinogens (1994), respirable glasswool was classified as reasonably anticipated to be carcinogenic. 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. OSHA considers fibrous glass dust a nuisance dust. Fibrous glass can cause dermatitis, local irritation.



EUCO THX - 25 LB PAIL - MTO

Version 5.0
REVISION DATE: 01/15/2013

Print Date 01/16/2013

SECTION 3 : HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Weight % Range
Amorphous silica	7631-86-9	30.0 - 60.0
Calcium oxide	1305-78-8	15.0 - 40.0
Portland cement	65997-15-1	10.0 - 30.0
Fibrous Glass	65997-17-3	7.0 - 13.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	0.1 - 1.0

The ingredients listed above are hazardous as defined in the controlled products regulation. (CPR).

SECTION 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.

SECTION 5: FIRE / EXPLOSION HAZARDS

- 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.

SECTION 6 - SPILLS / LEAKS / 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.



EUCO THX - 25 LB PAIL - MTO

Version 5.0
 REVISION DATE: 01/15/2013

Print Date 01/16/2013

SECTION 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.

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	Ontario TWAEV:	3 mg/m3	Respirable particles.
		Ontario TWAEV:	10 mg/m3	Inhalable particulate.
		ACGIH TWA:	3 mg/m3	Respirable particles.
		ACGIH TWA:	10 mg/m3	Inhalable particles.
		Ontario TWAEV:	10 mg/m3	
Calcium oxide	1305-78-8	Ontario TWAEV:	2 mg/m3	
		ACGIH TWA:	2 mg/m3	
Portland cement	65997-15-1	Ontario TWAEV:	10 mg/m3	Total dust.
		ACGIH TWA:	1 mg/m3	Respirable fraction.
Fibrous Glass	65997-17-3	Ontario TWAEV:	5 mg/m3	Inhalable
		ACGIH TWA:	5 mg/m3	Inhalable fraction.
		Ontario TWAEV:	1 ppm	Respirable fibers.
		Ontario TWAEV:	0.5 ppm	Respirable fibers.

**EUCO THX - 25 LB PAIL - MTO**

Version 5.0

Print Date 01/16/2013

REVISION DATE: 01/15/2013

Chemical Name	CAS Number	Regulation	Limit	Form
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	Ontario TWAEV: ACGIH TWA:	0.10 mg/m ³ 0.025 mg/m ³	Respirable fraction. Respirable fraction.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Solid
Form	: Powder
Color	: 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
Evaporation Rate:	: Not available.
Specific Gravity	: 1.0 - 1.5
% Volatile Weight	: 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) 15,000 mg/kg (Mouse)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Disposal Method : Recycle or dispose of in compliance with local, provincial and federal regulations. Not regulated under RCRA. Dispose of in compliance with state and local regulations. Do



EUCO THX - 25 LB PAIL - MTO

Version 5.0
 REVISION DATE: 01/15/2013

Print Date 01/16/2013

not incinerate.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

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.

Canadian Regulations:

WHMIS Classification : D2A, E
 This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).
 This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Other Regulations:

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

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	1
Flammability	0
Reactivity	0
PPE	

0 = Minimum
 1 = Slight
 2 = Moderate
 3 = Serious
 4 = Severe



EUCO THX - 25 LB PAIL - MTO

Version 5.0

Print Date 01/16/2013

REVISION DATE: 01/15/2013

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: Sewnauth Raghunandan

Legend

ACGIH - American Conference of Governmental Hygienists	OSHA - Occupational Safety and Health Administration
DOT - Department of Transportation	PEL - Permissible Exposure Limit
DSL - Domestic Substance List	RCRA - Resource Conservation and Recovery 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