



EUCLID CHEMICAL

## TAMMS STRUCTURAL MORTAR (FORMERLY TAMMS SPRAY MORTAR)

Version 2.

Print Date 12/16/2010

REVISION DATE: 12/14/2010

### SECTION 1 - PRODUCT IDENTIFICATION / PREPARATION INFORMATION

#### Product Information

Trade name : TAMMS STRUCTURAL MORTAR (FORMERLY TAMMS SPRAY MORTAR)  
 Product code : TR5090650

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: : 12/14/2010  
 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

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 : HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Weight % Range
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	40.0 - 70.0
Portland cement	65997-15-1	40.0 - 70.0



EUCLID CHEMICAL

**TAMMS STRUCTURAL MORTAR (FORMERLY TAMMS SPRAY MORTAR)**

Version 2.

Print Date 12/16/2010

REVISION DATE: 12/14/2010

Amorphous silica

69012-64-2

0.5 - 1.5

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.

**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**



**TAMMS STRUCTURAL MORTAR (FORMERLY TAMMS SPRAY MORTAR)**

Version 2.

Print Date 12/16/2010

REVISION DATE: 12/14/2010

- 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**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	Ontario TWAEV: ACGIH TWA:	0.10 mg/m3 0.025 mg/m3	Respirable fraction. Respirable fraction.
Portland cement	65997-15-1	Ontario TWAEV: ACGIH TWA:	10 mg/m3 1 mg/m3	Total dust. Respirable fraction.
Amorphous silica	69012-64-2	Ontario TWAEV:	2 mg/m3	Respirable fume

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Physical State : Solid
- Form : Powder
- Color : Gray
- Odor : None
- pH : 11 - 13
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : Not available.
- Water solubility : Miscible
- Evaporation Rate: : Not available.



**TAMMS STRUCTURAL MORTAR (FORMERLY TAMMS SPRAY MORTAR)**

Version 2.

Print Date 12/16/2010

REVISION DATE: 12/14/2010

Specific Gravity : 3.5  
% 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**

No Data Available

**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 not incinerate.

**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.

**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



**TAMMS STRUCTURAL MORTAR (FORMERLY TAMMS SPRAY MORTAR)**

Version 2.

Print Date 12/16/2010

REVISION DATE: 12/14/2010

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	2
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: Sewnauth Raghunandan**

**Legend**

- ACGIH - American Conference of Governmental Hygienists
- DOT - Department of Transportation
- DSL - Domestic Substance List
- EPA - Environmental Protection Agency
- HMIS - Hazardous Materials Information System
- IARC - International Agency for Research on Cancer
- MSHA - Mine Safety Health Administration
- NDSL - Non-Domestic Substance List
- NIOSH - National Institute for Occupational Safety and Health
- NTP - National Toxicology Program
- OSHA - Occupational Safety and Health Administration
- PEL - Permissible Exposure Limit
- RCRA - Resource Conservation and Recovery Act
- STEL - Short Term Exposure Limit
- TLV - Threshold Limit Value
- TSCA - Toxic Substances Control Act
- TWA - Time Weighted Average
- V - Volume
- VOC - Volatile Organic Compound
- WHMIS - Workplace Hazardous Materials Information System