

UNIFRAX INDIA PRIVATE LIMITED

MATERIAL SAFETY DATA SHEET (M S D S)

VENEER MORTAR

MSDS Number : MSDS F010(V)

Date of Issue 30th June,98

According to 91/155/CEE

Date of last revision 20th Sept,16

1 - IDENTIFICATION OF THE PRODUCTS AND OF THE COMPANY

Identification of the products

2. COMPOSITION / INFORMATION OF INGREDIENTS OF VENEER MORTAR

A Special refractory adhesive, Veneer mortar is designed for installation of veneer modules. This product contains a special binder system & wetting agents to promote better adhesion of the veneer modules to the refractory surface.

Colour	: Tan grey
Bond	: Air set
Use limit	: 1600 Deg.C
Packed density	: 2.00 gm/cc
Dry density	: 1.45 gm/cc

CHEMICAL ANALYSIS, % WT. ON DRY PRODUCT

Al ₂ O ₃	: 34 to 36
SiO ₂	: 55 to 59
Alkali	: 6 to 8
Shelf life	: 9 months
Packaging	: 40 kgs/ 20 kgs / 10 kgs Pail
Application	- For sticking veneer modules, repair work, sealing

Identification of the company

UNIFRAX INDIA PRIVATE LIMITED

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3 - HAZARD IDENTIFICATION

IRRITANT EFFECTS

Chemical irritation to skin, eyes and upper respiratory system may result from contact with this product due to the presence of sodium silicate, which is highly alkaline in nature.

Also due to the abrasive nature of this product contact with the skin can cause drying. If in contact with the eyes can cause abrasion to the eye.

CHRONIC EFFRCTS

As supplied the product is wet and if use correctly would not be expected to cause any long term effects.

This product does contain crystalline silica therefore if it is dried and abraded, such that, particles become airborne, exposure to respirable dust containing crystalline phase silica may occur.

4 - FIRST AID MEASURES

Skin : In case of skin irritation rinse affected areas with soap & water and wash gently. Obtain medical attention if symptoms develop.

Eyes : In case eye contact flush abundantly with water; have eye wash facilities to be kept close at hand In all cases consult an ophthalmologist, even if no lesions are apparent.

INGESTION

Drink large amount of acidulated water. Obtain medical attention without dealy.

5 - FIRE FIGHTING MEASURES

Non combustible products. Packaging and surrounding materials may be combustible.

Use extinguishing agent suitable for surrounding combustible materials.

6 – ACCIDENTAL RELEASE MEASURES

Wear safety glasses or goggles and impervious gloves to avoid contact with eyes or skin. Contain spillage, absorb in earth or sand, and shovel into suitable containers. See section 13 for elimination of waster materials.

7 – HANDLING AND STORAGE

HANDLING

Wear suitable safety glasses or goggles, gloves and protective clothing when handling.

STORAGE

Store at room temperature above 5 Deg.C and less than 50 Deg.C. Protect from freezing.

8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Care must be taken during preparation and use of this product due to the alkaline nature of the binder.

ENGINEERING CONTROLS

As this is a wet product, dust would not be created in normal use. Suitable and sufficient local exhaust ventilation should be employed at the point of generation of dust if the materials are dried and abraded.

PERSONAL PROTECTIVE EQUIPMENT

SKIN PROTECTION

Wear goggles or safety glasses with side shields. Keep eye wash facilities close at hand

EYE PROTECTION

Wear goggles or safety glasses with side shields. Keep eye wash facilities close at hand.

RESPIRATORY PROTECTION

Exposure to airborne dust concentrations, would be unlikely as supplied and when used as intended. Where materials have dried and are abraded suitable respiratory protection should be worn.

INFORMATION & TRAINING OF WORKERS

Smoking, eating & drinking at the workplace should be prohibited
Reinforce the requirements for protective equipment and clothing
Ensure good working practices to prevent exposure
Ensure correct use of protective equipment

ENVIRONMENTAL EXPOSURE CONTROLS

Refer to local, national or European applicable environmental standards for release to air, water and soil. For waste, refer to section 13.

9 – STABILITY AND REACTIVITY

STABILITY

This product is stable at ambient temperature. Material will harden and dry when exposed to air or heat sources.

MATERIALS TO AVOID

Sodium silicate itself reacts with acids and can react violently with hydrofluoric acid. The percentage of sodium silicate in the product is such that this reaction is unlikely, but should be taken into consideration when using and storing the product.

10 – TOXICOLOGICAL INFORMATION

HUMAN DATA

IRRITANT PROPERTIES

The alkalinity of sodium silicate contained within the product would present a chemical irritation to the skin and more particularly the eyes

RESPIRATORY EFFECTS

None expected in the normal use of the product, as release of crystalline silica should not occur. If and when the product has dried and during removal situations there is the potential for dust generation, which can affect preexisting respiratory conditions. This dust if liberated may contain respirable crystalline silica.

Crystalline silica has been classified by IARC (International Association for Research on Carcinogens) as a Category 1 carcinogen.

The calcined clay used to produce this product is of low acute toxicity, it is not classed as carcinogenic or genotoxic.

11 – ECOLOGICAL INFORMATION

This material must not be disposed into drains or water causes

12 – DISPOSAL CONSIDERATIONS

Please refer to the European list (Decision no. 2000/532/CE as modified) to identify your appropriate waste number, and insure national and or regional regulation are complied with. Taking into account any possible contamination during use, expert guidance should be sought.

As the product contains sodium silicate >10% it would be classified as hazardous waste.

13 – TRANSPORT INFORMATION

Not classified as dangerous goods under relevant international transport.

14 – REGULATORY INFORMATION

Sodium silicate is classified “irritant” under the rules of the EEC “Dangerous Substances Directives” 67/548/EEC as amended by 92/32/EEC.

Risk Phrase R41, R38
Safety Phrases S 26, S36/37/39
Symbol Xi

As the product contains >10% sodium silicate it should be labeled as an irritant.