

F1-188

Identity : F1-188

1. Company Identification

Manufacturer's Name: Obaproof Manufacturing Sdn Bhd
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Seksyen U6, 40150 Shah Alam, Selangor.
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2. Hazardous Ingredients/Identity Information

Hazardous Component (Specific Chemical Identity :Common Name(s)):
Portland Cement (CAS # 65997-15-1)

Portland Cement contain: Gypsum (CAS #7778-18-9)
Quartz (CAS # 14808-60-7)
Calcium Carbonate (CAS # 471-34-1)

3. Physical/Chemical Characteristics

3.1	Boiling Point:	NA
3.2	Vapor Pressure (mm Hg):	NA
3.3	Vapor Density (Air =1):	NA
3.4	Solubility in Water:	slight (0.1-1%)
3.5	Appearance and Odor:	Gray (or White) powder. Odorless.
3.6	Specific Gravity (H ₂ O =1):	3.0 – 3.2
3.7	Melt Point:	NA
3.8	Evaporation Rate (Butyl Acetate = 1):	NA

4. Fire and Explosion Hazard

4.1	Flash Point (Method Used):	NA
4.2	Extinguishing Media:	NA
4.3	Special Fire Fighting Procedures:	NA
4.4	Unusual Fire and Explosion Hazards:	None

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5. Reactivity Data

- 5.1 Condition to Avoid:
Although no hazardous reaction will occur, Obaproof F1-188 CTF should be kept dry until used.
- 5.2 Incompatibility (Material to Avoid):
Wet Obaproof F1-188 CTF White is alkaline. As such it is incompatible with acid, ammonium salts, and phosphorus.
- 5.3 Hazardous Decomposition or Byproducts:
None spontaneously.
However, adding water Produces (caustic) calcium hydroxide.
- 5.4 Hazardous Polymerization:
Will not occur.
- 5.5 Stability:
Stable

6. Health Hazard Data

- 6.1 Routes Of Entry:
Inhalation Primary Skin Secondary Ingestion NA
(However, Obaproof F1-188 CTF is not to be eaten.)
- 6.2 Health Hazards (Acute and Chronic):
Acute: Wet Obaproof F1-188 CTF can dry the skin and cause alkali burns. Powder Obaproof F1-188 CTF can irritate eyes, moist membranes of the nose, throat and upper respiratory system.
Chronic: Powder dust can cause inflammation of nasal passage and inflammation of the cornea. May cause allergic dermatitis. Obaproof F1-188 CTF may contain trace amounts of free crystalline silica. Prolonged exposure to respirable free crystalline silica can aggravate other lung conditions and cause silicosis, a disabling and potentially fatal lung disease. (Also see "Carcinogenicity" statement below.)
- 6.3 Carcinogenicity:
Obaproof F1-188 CTF is not listed by NTP, OSHA or IARC. It may, however, contain trace of substance listed as carcinogens by these organizations. Crystalline silica, a potential trace level contaminant in Obaproof F1-188 CTF White, is now classified by IARC as a known human carcinogen (Group I). NTP has characterized respirable silica as "reasonably" anticipated to be [a] carcinogen.

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- 6.4 Signs and Symptoms of Exposure:
Dry skin and alkali burns; eye irritation; skin rash; upper respiratory irritation.
- 6.5 Medical Conditions Generally Aggravated by Exposure:
Although there is no data that indicated Obaproof F1-188 CTF has aggravated existing medical conditions, it is prudent to be concerned with good hygienic practices (as for all employees) for individuals with existing skin or lung conditions.
- 6.6 Emergency and First Aid Procedures:
If contact is made with the eyes, flush immediately with copious amount of water for 15 minutes. Wash affected area of the body with soap and water. If airborne dust inhaled, remove to fresh air. Seek medical attention if symptoms (eye or skin irritation or coughing if inhaled) persist. If significant quantities are ingested, do not induce vomiting. If conscious, have victim drink plenty of water and call a physician.

7. Precautions for Safe Handling and Use

- 7.1 Step to Be Taken in Case Material is Released or Spilled:
Use dry clean up method that do not disperse the dust into the air. Avoid contact with material or breathing the dust. Wear appropriate personal protective equipment as describe in section 8.
Scrape up wet material and place in an appropriate container. Allow the material to “dry” before disposal. Do not attempt to wash Obaproof F1-188 CTF down drains.
- 7.2 Waste Disposal Method:
Material can be disposed of as common waste. Dispose of waste material according to local, state and federal regulations. (Since Obaproof F1-188 CTF is stable, uncontaminated material may be saved for future use). Dispose of any bags in an approved landfill or incinerator.
- 7.3 Precautions to Be Taken For Handling and Storing:
Keep Obaproof F1-188 CTF dry until used. Store in a well-ventilated, cool place. Strictly protect against moisture.

8. Control Measures

- 8.1 Respiratory Protection (Specify Type):
In dust and/or poorly ventilated environments, the use of NIOSH approved respirators is recommended.

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- 8.2 Ventilation:
Use local exhaust or general dilution ventilation to control exposure within applicable limits.
- 8.3 Protective Gloves:
Recommended for prolonged contact.
- 8.4 Eye Protection:
Safety glasses and/or goggles in dusty areas.
- 8.5 Other Protective Clothing or Equipment:
Use impervious (to water) gloves, boots and clothing to protect the skin from prolonged contact with wet cement. Do not rely barrier creams. (Note: Barrier creams should not used on place of gloves).
- 8.6 Work/Hygienic Practices:
Prevent/Minimize dusting and contact with material. Wash thoroughly after exposure to dust or wet cement mixtures. If clothing becomes saturated with wet cement or concrete, remove and replace with clean dry clothing.

9. Other Important Information

Obaproof F1-188 CTF should only be used by knowledgeable persons. A key to using the product safely requires the user to recognize that Obaproof F1-188 CTF chemically reacts with water, and that some of the intermediate products of this reaction (that is, those present while Obaproof F1-188 CTF product is “setting”) pose a far more severe hazard than does Obaproof F1-188 CTF itself.

While the information provided in this material safety data sheet is believed to provide a useful summary of the hazard of Obaproof F1-188 CTF as it is commonly used, the sheet cannot anticipated and provide all of the information that might be needed in every situation. Inexperienced product users should obtain proper training before using this product.

*ALL OF THE MSDS DATA ARE FOR REFERENCE ONLY.
THE USER SHOULD JUDGE THE USABILITY THEMSELVES.*