MATERIAL SAFETY DATA SHEET: KNAUF PREMIUM JOINTING

PRODUCT IDENTIFICATION

Product Name : Knauf Premium Jointing

Other Name : Jointing Compound, Jointing Plaster

Recommend Use : Knauf Premium Jointing is a powdered compound used for gypsum board jointing. It is specially developed by using natural gypsum and additives providing the necessary mixing, workability and application properties needed for installation.

Supplier Name : Knauf Gypsum Philippines, Inc.
Km. 117 National Highway Calaca Industrial Seaport Corp., Brgy. Lumbang Calzada, Calaca, Batangas, 4212 Philippines

Manufacturer : Knauf Plasterboard Indonesia
Palma Tower 21st Floor, JL. RA., Kartini III, Kav. 6, Sektor II, Jakarta Selatan 12310 Indonesia

Knauf Plasters Co., Ltd.
29 Moo 7, Thaboonmee, Ko Chan, Chonburi, 20240 Thailand

COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENTS:

Chemical Entity	CAS No.	Proportion
• Calcium Sulphate Hemihydrate (Plaster)	[10034-76-1]	60 - 75%
• Calcium Carbonate (Limestone)	[471-34-1]	30 - 45%
• Methyl Hydroxy Propyl Cellulose	[9004-65-3]	<0.5%
• Starch	[9005-25-8]	0 - 0.5%

HAZARDS IDENTIFICATION

- Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. : No known long-term health effects.
- Chronic

FIRST AID MEASURES

- If swallowed: Wash mouth out with water. Drink copious amounts of water if actual ingestion has occurred and seek medical advice.
- Eye Contact: Flush with plenty of clean water for 15 minutes. If irritation persists, seek medical attention.
- Skin Contact: Wash regularly with soap and water. Apply skin moisturizer.
- Inhalation: Remove to fresh air. Allow to rest. Seek medical attention if discomfort persists.
- Advice to Doctor: Treat symptomatically.

FIRE AND EXPLOSION DATA

- Flammability of the Product: Non-Flammable
- Auto-Ignition Temperature: Not Applicable
- Flash Points: Not Applicable
- Flammable Limits: Not Applicable
- Products of Combustion: Not Available
- Fire Hazards in Presence of Various Substances: Not Applicable
- Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.
- Fire Fighting Media and Instructions: Not Applicable

ACCIDENTAL RELEASE MEASURES

- Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

HANDLING AND STORAGE

- Precautions for Safe Handling: Minimize dust production when mixing or sanding. Avoid inhalation of dust. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices and use appropriate lifting techniques.
- Conditions for Safe Storage, including any Incompatibilities: Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Avoid contact with acids, water, and moisture.

PERSONAL PROTECTION

Individual Protection Measures, such as Personal Protective Equipment

- Eye / Face Protection : Wear approved safety goggles.
- Skin Protection : It is a good industrial hygiene practice to minimize skin contact.
- Hand Protection : For prolonged or repeated skin contact use suitable protective gloves.
- Other : Normal work clothing (long sleeved shirts and long pants) is recommended.
- Thermal Hazards : None
- General Hygiene Considerations : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash. Observe any medical surveillance requirements.

PHYSICAL PROPERTIES

- Appearance : White Powder
- Odor : Low Odor
- Boiling Point : Not Applicable
- Vapour Pressure : Not Applicable
- Specific Gravity : 2.0 - 2.7
- Solubility in Water : Partly Soluble
- Flammability : Non-Flammable

STABILITY AND REACTIVITY

- Reactivity : The product is stable and non-reactive under normal conditions of use, storage and transport.
- Chemical Stability : Material is stable under normal conditions.
- Possibility of Hazardous Reactions : Hazardous polymerization does not occur.
- Conditions to Avoid : When mixed with water this product can become very hot. Encasing or making molds of any body part can cause serious burns that may require surgical removal of affected tissue and even amputation of encased body part.
- Hazardous Decomposition Products : Calcium oxides. Sulfur oxides. Above 1472 °F (800 °C) limestone ($CaCO_3$) can decompose to lime (CaO) and release carbon dioxide (CO_2).

TOXICOLOGICAL INFORMATION: LOW TOXICITY

- Swallowed : Unlikely under normal conditions of use, but swallowing this product may be harmful or result in abdominal discomfort.
- Eye : This product may irritate the eyes, causing watering and redness.
- Skin : Dust from this product may cause irritation of the skin from friction but is not absorbed through the skin.
- Inhaled : This product may cause irritation of the nose, throat and lungs, causing coughing and sneezing.
- Chronic Effects : Prolonged and routine inhalation of high levels of respirable crystalline silica particles can lead to the lung disease known as silicosis. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica.

Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

ECOLOGICAL INFORMATION

- Ecotoxicity : The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
- Persistence and Degradability : Calcium Sulfate dissolves in water forming calcium and sulfate ions.
- Mobility in Soil : No data available
- Other Adverse Effects : None expected

DISPOSAL CONSIDERATIONS

- Disposal Instructions : Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.
- Local Disposal Regulations : Dispose of in accordance with local regulations.
- Hazardous Waste Code : Not regulated
- Waste from Residues or Unused Products : Dispose of in accordance with local regulations.
- Contaminated Packaging : Dispose of in accordance with local regulations.

TRANSPORT INFORMATION

- DOT : Not regulated as a hazardous material by DOT
- IATA : Not regulated as a dangerous good
- IMDG : Not regulated as a dangerous good

REGULATORY INFORMATION

No poison schedule number has been allocated.

OTHER INFORMATION

This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Knauf Gypsum Philippines, Inc. cannot anticipate or control the conditions under which the product may be used. Each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.