

Material Safety Data Sheet

Section 1 - Identification

Manufacturer: Tagawa Sangyo Co., Ltd.
1924 Yugeta, Tagawa-shi
Fukuoka, 826-0041 Japan

Product name: Shikkui Plaster

Product use: Pre-mixed lime plaster

Section 2 - Component Mixture

Component	Calcium hydroxide	Calcium carbonate	Natural seaweed, jute fiber
Formula	Ca(OH) ₂	CaCO ₃	-
CAS #	1305-62-0	471-34-1	-
RTECS #	EW2800000	FF9335000	-
%	60-80	20-40	0.5-5

Section 3 - Hazards Identification

Applied plaster does not pose any hazard to health. Hazardous information in this MSDS refers to the plaster in pre-applied powder form.

NFPA 704: 2 (health)
0 (flammability)
0 (reactivity)



R-phrases: R36 (irritating to eyes)
R37 (irritating to respiratory system)
R38 (irritating to skin)
R41 (risk of serious damage to eyes)

Irritating to gastro-intestinal tract.

Section 4 - First Aid and Measures

Eye Contact	S26: rinse immediately with plenty of water and seek medical advice
Skin Contact	S28: wash immediately with plenty of cold water
Inhalation	Rinse throat and nose with water. Breathe fresh air. If necessary, get artificial respiration. Seek medical attention.
Ingestion	Rinse mouth with water and drink plenty of water. Do NOT induce vomiting unless directed to do so by medical personnel. Seek medical attention if symptoms appear.

Section 5 - Fire Fighting Measures

Non-flammable. Any method suitable for extinguishing surrounding fire.

Section 6 - Accidental Release

Sweep spilled substance into containers for use if possible, or disposal.

Section 7 - Handling and Storage

Wear recommended personal protective equipment when handling. Store material in a cool, dry, ventilated area.

Section 8 - Control and Protection Measures

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Avoid eye and skin contact. Avoid breathing vapors. Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved respirator or equivalent. Gloves and other clothing to prevent skin exposure.

Section 9 - Physical and Chemical Properties

Appearance: white powder
Physical state: solid
Odor: none
VOC content: none
Solubility: very slightly soluble in water
Flash point: non-flammable
Melting point: 580°C/1076°F (calcium hydroxide), 825°C/1517°F (calcium carbonate)
Specific gravity: 2.24 (calcium hydroxide), 2.70 (calcium carbonate)
pH: 14.0 (calcium hydroxide), 9.8 (calcium carbonate)

Section 10 - Stability and Reactivity Information

Stability: The product is stable.
Reaction with various substances: Reacts with strong acids generating carbon dioxide. Exposed to air, calcium hydroxide absorbs carbon dioxide (CO₂) turning to calcium carbonate.

Section 11 - Toxicological Information

Toxicity: The product itself and its products of degradation are not toxic.
LD₅₀ (rat): 7340 mg/kg (calcium hydroxide), 6450 mg/kg (calcium carbonate)

Section 12 - Ecological Information

VOC: This product does not emit VOCs
Other properties: applied plaster is humidity regulating, natural anti-viral and anti-bacterial effect due to high alkalinity.

Section 13 - Disposal Considerations

Due to strong alkalinity, neutralization is needed.

Section 14 - Transport Information

DOT Classification: Not regulated
Special Provisions for Transport: Not applicable