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**"RESPONSIVE,
INNOVATIVE,
SOLUTION FINDERS"**



Safety Data Sheet

CASTING PLASTER FAST SET

1. Identification of Material and Supplier

Product Name: Fast Set Plaster
Product Code: Plaster20
Recommended Use: General purpose plaster for hobbies and crafts. Jointing base and second coats, rendering, industrial and manufacturing, dental, work, mouldings and sculptures.

Company: Five Star Products Ltd
Address: 3 Chinook Place, Hornby, Christchurch 8042
Emergency Telephone: (03) 349 6514 ask for Technical Manager
Telephone/Fax number: Tel: (03) 349 6514 Fax: (03) 349 8732
New Zealand National Poison Centre: 0800 POISON (0800 764 766)

2. Hazards Identification

Hazard Classification: Non Hazardous

3. Composition/information of Ingredients

Ingredients:	Chemical Name:	Proportion Wt%:	CAS Number:
	Calcium Sulphate Hemihydrate	35-100	10034-76-1
	Limestone	0-50	1317-63-3
	Mica	0-6	12001-26-2
	Lime (Calcium Hydroxide)	0-5	
	Clay	0-4	8031-18-3
	Polyvinyl alcohol	0-4	9002-89-5
	Starch	0-2	Not Available
	Modified cellulose	0-1	Not Available
	Tartaric acid	0-0.5	

Allergies: To the best of our knowledge there has been no intentional addition of dairy, egg, nuts, grains, cereals, soy or gluten products to this product by either Five Star Products Ltd or our raw material suppliers. Five Star Products Ltd does, from time to time carry on site some of the above listed products for use in other products. Whilst none of our raw material suppliers MSDS state that they do contain any of the above products, we are not in a position to 100% guarantee that this product is free of the above mentioned products, due to the limited knowledge of our suppliers processes. Five Star Products Ltd normal practices is not to provide a list of ingredients, due to commercial sensitivity but we welcome direct case by case communication with the end user to assist with this issue on a personal basis.

4. First Aid Measures

Inhalation: Remove to fresh air. Leave the area of dust exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary, however if conditions warrant, contact a doctor.

Ingestion: No harmful effects expected. No specific recommendation. If gastric disturbance occurs, call doctor. This product contains gypsum plaster which hardens when wetted and, if ingested in large quantities, may result in obstruction of the gut, especially the pyloric region.

Skin: Rinse with water, then wash with mild soap and water. A commercially available hand lotion may be used to treat dry skin areas. If skin has become cracked, take appropriate action to prevent infection and promote healing. If irritation persists, contact a doctor.

Eye: Flush eye thoroughly with copious amounts of water for a least 15 minutes. Seek medical attention if irritation persists.

Advise to doctor: Treat symptomatically.

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5. Fire Fighting Measures

Extinguishing media:	Use extinguishing media appropriate for surrounding fire.
Specific Hazards:	Not Flammable
Hazards from combustion:	Stable under normal temperature and pressure. At temperatures around 800°C, carbon dioxide may be emitted, due to decomposition of limestone. Product contains low level of organic volatiles, which may be emitted or released in a fire. Thermal decomposition will produce H ₂ O, CO ₂ , CO, and acetic acid. Could produce minor amounts of vinyl acetate monomers when temperature is above 175°C.
Special protective equipment:	Appropriate fire fighting equipment is required.
Flammable limits:	Not combustible under normal conditions of storage and use.
Hazchem code:	Flash point: Not Flammable NA

6. Accidental Release Measure

Emergency Procedures:	Use normal clean up procedure. Spilled material can produce slippery conditions, be cautious to avoid falling. Wear appropriate protective equipment. Shovel material from spillage into a waste container for disposal
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7. Handling and Storage

Precautions for safe handling:	Minimise exposures in accordance with good hygiene practice. During handling wear the appropriate respiratory, eye and skin protection if warranted per environmental conditions.
Conditions for safe storage:	Keep from freezing. Store at temperature below 30°C.

8. Exposure Controls/Personal Protection

Workplace Exposure Standards	When sanding, ventilate the area, minimize dust generation and accumulation by use of vacuum cleaner, or good housekeeping.
Engineering Controls:	Work in well ventilated areas. Use of dust masks and exhaust ventilation is advised to keep dust levels below permissible exposure limits.
Eye & Respiratory Protection:	Wear appropriate eye protection and dust masks.
Skin Protection:	Use of gloves is not necessary for most occasions, but may be required for specific work situations. Clean protective clothing is advised. Wash exposed areas well after work and apply lotion to prevent skin from drying. When mixed with water, this material hardens and then becomes hot. DO NOT attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissue. Direct, prolonged or repeated contact with skin can result in abrasions. Rinse with water until free of material to avoid abrasions, then wash skin thoroughly with mild soap and water. May dry skin. If irritation persists, consult a doctor.

9. Physical and Chemical Properties

Appearance:	Fine cream coloured powder.
Odour:	Low odour
pH:	8-11
Vapour Pressure:	NA
Vapour Density:	NA
Boiling Point:	100c
Melting/Freezing Point:	0c
Solubility in Water (g/l):	Soluble
Packed Bulk Density:	0.7 - 1.2
Flammability	Not flammable
ADDITIONAL PROPERTIES	
Evaporation Rate:	
% Volatiles:	< 2%
Volatile Organic Compounds	< 40g/L
Content:	
Respirable crystalline silica content	< 0.1%

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10. Stability and Reactivity

Chemical Stability:	Stable at normal temperatures and pressure
Conditions to Avoid:	Freeze, thaw, heat.
Hazardous Decomposition Products:	Stable under normal conditions of temperature and pressure. At temperatures around 800°C, carbon dioxide may be emitted, due to decomposition of limestone. Product contains low level of organic volatiles, which may be emitted or released in application processes involving the use of heat. Vent all ovens and process vessels to the outside atmosphere. Thermal decomposition will produce H ₂ O, CO ₂ , CO, and acetic acid. Could produce minor amounts of vinyl acetate monomers when temperature is above 175°C.
Hazardous Polymerization:	Will not occur

11. Toxicological Data

Acute Toxicology (Short term):	Direct contact may cause eye, skin and/or respiratory irritation.
Inhalation -	No significant signs or symptoms indicative of any health hazard are expected to occur as a result of inhalation exposure.
Ingestion -	Not established
Skin -	Dryness of skin
Eye -	Not known. May irritate the eyes.
Chronic Effects -	Prolonged exposure and inhalation to air borne free respirable crystalline silica can result in lung disease (i.e. silicosis) and/or lung cancer

12. Ecological Information

Ecotoxicity:	No known adverse ecological effects.
Persistence and degradability:	Will form sludge when made wet. Will dry hard on exposure to sun/heat.
Mobility:	Lumpy and sludge like when damp. Solid when dry.

13. Disposal Considerations

Waste Disposal:	Dispose to standard landfill. Do not flush down drains. Product can set and block the drain.
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14. Transport Information

DG Class:	Not regulated
Subsidiary Risk 1:	NA
Packing Group:	NA
Hazchem Code:	NA
Marine Pollutant:	NA
Special Precautions for user:	Prevent bags from exposure to damp conditions

15. Regulatory Information

Not regulated

16. Other Information

Keep out of reach of children	
DO NOT ATTEMPT TO MAKE A CAST ENCLOSING ANY PART OF THE BODY USING THIS MATERIAL.	
Revision Date:	SDS Reviewed February 2019
Legend to abbreviations and Acronyms:	NA = Not Applicable
	C = Celcuis
Literature References:	No data available
Sources for Data:	No data available

Disclaimer

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