



Material Safety Data Sheet (MSDS)

4. FIRST AID MEASURES

INHALATION	Rinse the nose with clean water and breathe in and out deeply 10 to 15 times.
SKIN CONTACT	Clean affected area with water and dry by normal towel.
EYE CONTACT	Clean eyes with fresh water a few times. (Blink in a hand-full of water several times to clean the eyes thoroughly).
INGESTION	Drink adequate amounts of water.

5. FIRE-FIGHTING MEASURES

FIRE EXTINGUISHING MEDIA RECOMMENDED	CO2 extinguisher; dry powder extinguisher.
FIRE EXTINGUISHING MEDIA TO AVOID	Water – since the paste formed with water forms a very slippery substance which could cause accidents.

6. ACCIDENTAL RELEASE MEASURES

GENERAL INFORMATION	The material is not prone to any accident, i.e. it is not explosive, nor does the material release any obnoxious gases etc. Hence no Accidental Release Measures are recommended. If water-mix powder is spilled, it should be thoroughly wiped up and cleaned with water to remove the slippery effect on floor areas.
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7. HANDLING AND STORAGE

HANDLING	Hooks should not be used for handling bags and bags should not be thrown while shifting.
STORAGE	Material is to be stored in a dry place under atmospheric temperature under closed warehouse with normal ventilation. The powder should not be kept open because the product is susceptible to moisture.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION	If powder is ventilated, it will deposit on surface of human bodies and should therefore be avoided.
RESPIRATORY PROTECTION	Cleaning of nose, deep breathing and drinking water liberally will help.
EYE AND FACE PROTECTION	Clean the eyes and face with fresh water, quickly and dry with towel.
HANDS, ARMS AND BODY	No harmful effect, but to be cleaned with water.
OTHER CLOTHING EQUIPMENT	No harmful effect. Dust it out dry. Routine washing/cleaning can be done.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Free flowing powder
Colour	Creamy-white
pH	5.00 – 6.50
Solubility (Water)	Excellent
Solubility (Other)	Not very readily soluble
Density	0.68
Viscosity (1% Sol.)	5000 – 5500 Cps
Arsenic	Heavy Metals 10 ppm Max.
Starch	3 ppm Max. Passes test

10. STABILITY AND REACTIVITY

DANGEROUS REACTION WITH DECOMPOSITION PRODUCTS	No dangerous reaction with any material. The product on its own does not decompose.
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11. TOXICOLOGICAL INFORMATION

ACUTE TOXICOLOGY ORAL DERMAL INHALATION TESTING	Guar Gum Powder is not toxic at all
DERMAL IRRITATION EYES IRRITATION SENSITIZATION CHRONIC TOXICITY	Most of the points have been answered in some form or other in earlier columns, hence these are not applicable.



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12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY	Non-toxic – Nil
ALGAE	Nil – the material when mixed with water will form a paste and remain for 24 hours, by which time the paste should be consumed.
BIODEGRADATION	The material is subject to biodegradation when water is mixed or moisture is absorbed.

13. DISPOSAL CONSIDERATIONS

DISPOSAL	The material is an agricultural product and subject to nature's re-cyclic effect without causing any harm. As such the material if needed to be disposed can be buried deep in soil or dissolved in sea where fish and other living organisms will consume the product with no danger to them.
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14. TRANSPORT INFORMATION

The material is fit to be carried by road, through vehicles (like truck, cart etc.)
The material is fit to be carried by railway wagons.
The material is fit to be carried by in ordinary containers by sea.
The material is fit to be carried by air in cargo airplanes.
The material should not be open to rain, snow or damp conditions.

15. REGULATORY INFORMATION

This material is not banned for entry into any country, as it is not a dangerous chemical or restricted item. The product is being widely exported to all European countries, U.S.A. Canada and other countries of globe for variety of uses.

16. OTHER INFORMATION

SAFETY:

The data contained herein is believed to be accurate. However, neither the above named supplier nor any of its subsidiaries assumes any legal liability whatsoever for the accuracy or completeness of information contained herein. Users should undertake sufficient verification and testing to determine the suitability for their own purpose of any product or information contained herein.