

MATERIAL SAFETY DATA SHEET

1. Chemical product and Company identification

Company : **SATYAM ENTERPRISES**
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JODHPUR
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Product Name : **GUAR GUM POWDER**

2. Composition/Information on Ingredients

Composition:	Moisture	-	12 - 14%
	Protein (N X 6.25)	-	4.50%
	Ash	-	1% Max.
	pH	-	5.8- 6.5
	Carbohydrate (By Difference)	-	80% Min.
	Arsenic	-	3 PPM Max.
	Lead	-	2 PPM Max.
	Heavy Metals	-	20 PPM Max.

3. Hazards Identification

Nil - Material does not develop any hazardous symptom. However, GUAR GUM POWDER should not be open to atmosphere for long since material is susceptible to moisture. Material is to be stored in closed room and dry condition with normal ventilation.

4. First Aid Measures

Inhalation	:	Clean the nose with clean water and breathe-in and breathe-out deep 10-15 times.
Skin contact	:	Clean with water and dry it by normal towel.
Eye contact	:	Clean with fresh water few times. (Blink in hand-full of water several times to clean the eyes thoroughly.)
Ingestion	:	Drink water adequately.

5. Fire Fighting Measures

Fire extinguishing agents recommended	:	CO2 Extinguisher ; Dry Powder Extinguisher
Fire extinguishing agents to avoid	:	Water – since the paste formed with water Forms very slippery substance to cause accidents.

6. Accidental Release Measures

The material is not prone to any accident, i.e., it is not explosive, nor it release any obnoxious gases etc. – Hence no Accidental Release Measures is recommended. But if water-mix powder is spilled, it should be thoroughly wiped out and cleaned with water to remove the slippery effect of floor areas.

7. Handling and Storage

Packaging	:	The material is packed in multilayer Paper Bags with polythene liner inside – 25 Kgs. Net. Hook should not be used for handling bags and not thrown while shifting. Material is to be stored in dry place under atmospheric temperature under closed warehouse with normal ventilation. The powder should not be kept open since it 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 it should be avoided.
Respiratory Protection:	:	Cleaning of nose and deep breathing and drinking water liberally will help.
Eyes & Face:	:	Clean the eyes and face with fresh water quickly and dry with towel.
Hands, Arms & 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	:	5.8 - 6.5
Solubility (Water)	:	Excellent
Solubility (Other)	:	Not very readily soluble.
Density	:	0.68
Viscosity (1% Sol.)	:	5000 Cps.

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	:	GUAR GUM POWDER is not toxic at all
Oral		
Dermal		
Inhalation Testing		Most of the points were answered in
Dermal Irritation		some form or other in earlier columns
Eyes Irritation		Hence these are not applicable
Sensitization		
Chronic Toxicity		

12. Ecological Information

Aquatic Toxicity	:	Non-Toxic - Nil
Algae	:	Nil – The material when mixed with water it will form paste and remain for 24 hrs. by which time the paste is to be consumed.
Biodegradation	:	The material is subject to biodegradation when water is mixed or moisture is absorbed.

13. Disposal considerations

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, it 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.

14. Transport Information

The material is fit to be carried by Road, through vehicles (like truck, cart etc.). It can be taken by Railway-wagons. It is sent by sea in stuffed ordinary containers. It may also be taken by Air by Cargo-Aeroplanes. It should not be open to rain, snow or damp conditions.

15. Regulatory Information

This item is not banned for entry into any country, as it is not a dangerous drug or restricted item anyway. It is being widely exported to All European Countries, U.S.A., Canada and other countries of globe for variety of uses.

16. Other Information

Expiry 24 Months from Manufacturing Date

Date : 15/05/2016
Place : Jodhpur, India

(Signature with Rubber Stamp)
(RAMESH SINGHAL) Mg. Partner