

# Safety Data Sheet

SDS CODE: TC-TE-RES-008:010 1/3

Version: 1.1 Last update: 2022-02-07

## GUAR 14S

### 1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1	INCI Name:	GUAR HYDROXYPROPYLTRIMONIUM CHLORIDE
1.2	CAS No:	65497-29-2
1.3	Chemical Classification:	Quaternary Guar gum
1.4	Dangerous Goods Classification:	Not assessed.
1.5	Company Details:	
	Manufacture/Supplier:	<b>Rensin Chemicals Limited</b>
	Address:	Room A Shunyu Building bailongjiang east street Nanjing China
	Telephone Number:	(86 25) 87702966
	Emergency Telephone Number:	(86 25) 87702966
	Contact Person:	Technical support engineer
1.6	The date of taking effect:	March 2020

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1	Chemical characterization:		Polymer / Mixture	
2.2	Physical Form:		Powder	
2.3	Color:		Yellowish	
2.4	Use:		Cosmetics additive, Surfactant	
2.5	Hazardous Ingredients:			
	Chemical Name	CAS No	% (w/w)	Symbols & Health Risk Phrases
	none			

### 3. HAZARDS IDENTIFICATION

3.1	Overall Hazard Classification:	Burning
3.2	Hazard Information:	Not hazardous.
3.3	Route of Exposure:	Human body Contact and Accidental Ingestion.
3.4	Possible Health Effects:	
	Acute	
	Eyes:	May cause eye injury which may persist for several days
	Skin:	No significant irritation expected from a single exposure.
	Inhalation:	Some individuals may develop a respiratory allergenic response.
	Ingestion:	Practically non-toxic.
	Chronic Effects:	This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens. Raw guar contains natural proteins that can cause allergic reactions such as asthma and rhinitis. Derived guar, such as this product, contains far less protein and therefore has a much lower risk of sensitization.
	Inhalation:	Inhaling long will injure breath system.
	Ingestion:	Repeated ingestion or swallowing large amounts may injure internally.
3.5	Signs and Symptoms of Overexposure:	No significant adverse effects from a single exposure expected from normal use.

### 4. FIRST AID MEASURES

4.1	Eyes:	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.
4.2	Skin:	Wash skin with water.
4.3	Inhalation:	Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult, administer oxygen, if available. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.
4.4	Ingestion:	Dry powder may result swelling in the throat, possibly causing blockage of the throat and choking. If the victim is conscious and alert, give 1-2 glasses of water to drink to prevent esophageal obstruction. Do not give anything by mouth to an unconscious person. Seek medical attention.
4.5	Comments:	Treat according to person's condition and specifics of exposure.
4.6	Note to physicians:	Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

5.1	Autoignition:	Not available.
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5.2	Flash point:	> 93 °C (200 F)..
5.3	Extinguishing Media:	CO2; Dry Chemical; Foam; Water Fog
5.4	Special Fire Fighting Procedures:	Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
5.5	Fire & Explosion Hazards:	Product is a finely divided combustible powder and as such constitutes a potential fire hazard. Keep workplace dust levels.
5.6	Hazardous Combustion Products:	Carbon monoxide, carbon dioxide, nitric dioxide, formaldehyde.
5.7	Lower Explosion Limit:	Not applicable.
5.8	Upper Explosion Limit:	Not applicable.
5.9	Flammability Hazard Class:	1=Slight.
<b>6. ACCIDENTAL RELEASE MEASURES</b>		
6.1	Personal Precaution:	Avoid eye contact. Do not take internally.
6.2	Environmental Precautions:	Not applicable.
6.3	Spill and Leak Procedures:	Normal precautions for “nuisance dust” should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal.
<b>7. HANDLING AND STORAGE</b>		
7.1	Handling:	This product may present a dust explosion hazard. It is recommended that all dust control equipment and material transport system involved in handling of this product contain explosion relief vents or explosion suppression system or an oxygen deficient environment. In electrically bonded and grounded. This powder should not be flowed through non-conductive ducts or pipes. Use only appropriately classed electrical equipment.
7.2	Storage Conditions:	Store in dry area .Store in closed containers.Expected shelf life if stored at recommended temperatures: 24 months.
7.3	Unsuitable Packaging Materials:	None established.
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>		
8.1	Industrial Hygiene Standards	
	<u>Ingredients</u>	<u>CAS No.</u> <u>Exposure Limits</u>
	None known.	
8.2	Engineering Controls:	Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure controls techniques may be used to effectively minimize employee exposures wet processing methods to reduce dust generation
8.3	Personal Protective Respiratory protection:	When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentration and in accordance with the appropriate regulatory standards and /or industrial recommendations.
	Eye protection:	Wear safety glasses with side shields. Protect against dust and particulates.
	Hand protection:	The use of gloves is recommended.
	Clothing Requirements:	Uniforms, coveralls, or a lab coat should be worn.
	Change/Removal Of Clothing:	Remove contaminated clothing and launder before reuse.
	Wash Requirements:	Wash exposed areas with soap and water.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>		
9.1	Physical Form:	Powder
9.2	Color:	Yellowish
9.3	Odor:	Characteristic
9.4	PH(1%):	9.0-11.0
9.5	Solubility in water:	Soluble in water
9.6	Oxidizing properties:	Not applicable
9.7	Pile up specific gravity:	0.63(25°C)
9.8	Loss on Drying(105°C/2h):	≤12%
9.9	Volatile Organic	<10g/liter

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### Compounds:

The above information is not intended for use in preparing product specifications. Contact Tinci before writing specifications.

### 10. STABILITY AND REACTIVITY

- 10.1 Stability: Stable.
- 10.2 Stability Detail: Conditions to be avoided: dusting conditions, extreme heats, open flames, sparks.  
Materials/Chemicals to be avoided: strong oxidizing agents
- 10.3 Reactivity Hazard Class: 0 = Stable.

### 11. TOXICOLOGICAL INFORMATION

- 11.1 Possible Health Effects: Refer to Section 3.4
- 11.2 Carcinogenic Effects: None.
- 11.3 Other Health Hazard Information: None known applicable information.

### 12. ECOLOGICAL INFORMATION

- 12.1 Potential To Bio-accumulate: Unknown.
- 12.2 Aquatic Toxicity: None Established.

### 13. DISPOSAL CONSIDERATIONS

- 13.1 Product Disposal: Dispose of in accordance with local regulations.
- 13.2 Packaging Disposal: Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

### 14. TRANSPORT INFORMATION

- 14.1 Road and Rail Transport: Not assessed.
- 14.2 Sea Transport (IMDG): Not subject to IMDG code.
- 14.3 Air Transport (ICAO): Not subject to ICAO regulations.

### 15. REGULATORY INFORMATION

- 15.1 Applicable Laws: Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace, particularly those relating to the safe use, production, storage and transportation of dangerous chemicals.
- 15.2 Chemical Inventories:
- AICS: All ingredients listed or exempt.
  - DSL: All chemical substances in this material are included on or exempted from the DSL.
  - IECSC: All ingredients listed or exempt.
  - MITI: All components are listed on ENCS or its exempt rule.
  - KECL: All ingredients listed, exempt or notified.
  - EINECS: All ingredients listed or exempt.
  - PICCS: All ingredients listed or exempt.
  - TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### 16. OTHER INFORMATION

- Contact Point: Technical Services Engineer (86 20) 66601159
- Prepared by: Guangzhou Tinci Materials Technology Co., Ltd

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.