



STABGGUM25

**SAFETY DATA SHEET
GUAR GUM
REVISION 4, DATE 26 MAR 2022****1. IDENTIFICATION**

Product Name	Guar Gum
Other Names	Hydroxypropyl guar gum [CAS#39421-75-5]; Poly-Galactomannan
Uses	Stabiliser/thickener.
Chemical Family	No Data Available
Chemical Formula	Unspecified
Chemical Name	Guar gum
Product Description	No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Redox Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Suite 13A.03, Menara Summit Persiaran Kewajipan USJ1 47600 UEP Subang Jaya Selangor, Malaysia	+60-3-5614-2111

Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation	Location	Telephone
National Poison Centre	Malaysia	+60-4-6536-999
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust) Not Scheduled

Globally Harmonised System

Redox Ltd
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+64 9 250 6226

www.redox.com
auckland@redox.com



Hazard Classification	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Signal Word	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Guar gum	Unspecified	9000-30-0	<=100 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	IF SWALLOWED: Rinse mouth with water. Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.
Eye	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.
Skin	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention.
Inhaled	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Advice to Doctor	Treat symptomatically. *Most important symptoms and effects, both acute and delayed: None known.
Medical Conditions Aggravated by Exposure	No information available.

5. FIRE FIGHTING MEASURES

General Measures	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Dike fire-control water for later disposal.
Flammability Conditions	May burn but does not ignite readily. *Product will burn only on direct contact with flame.
Extinguishing Media	Use dry chemical, Carbon dioxide (CO ₂), foam or water spray for extinction. Do not scatter spilled material with high-pressure water streams.
Fire and Explosion Hazard	Very slippery when wet!
Hazardous Products of Combustion	Fire may produce irritating and/or toxic gases, including Carbon oxides.
Special Fire Fighting Instructions	Contain runoff from fire control or dilution water - Runoff may cause pollution.
Personal Protective Equipment	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
Flash Point	No Data Available
Lower Explosion Limit	No Data Available



Upper Explosion Limit	No Data Available
Auto Ignition Temperature	>250 °C
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	Ensure adequate ventilation. ELIMINATE all ignition sources (if dust clouds can occur). Do not touch or walk through spilled materials - very slippery when wet! Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.
Clean Up Procedures	Sweep up and shovel. Keep in suitable, closed containers for disposal (see SECTION 13). *Avoid using water for cleaning as it makes the floor extremely slippery.
Containment	Stop leak if you can do it without risk. Prevent dust cloud. Prevent entry into waterways, sewers, basements or confined areas.
Decontamination	Wash thoroughly with water.
Environmental Precautionary Measures	Prevent entry into drains and waterways.
Evacuation Criteria	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
Personal Precautionary Measures	Use personal protective equipment as required (see SECTION 8).

7. HANDLING AND STORAGE

Handling	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8).
Storage	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Protect from moisture. Keep away from heat and sources of ignition - No smoking. Keep away from incompatible materials (see SECTION 10).
Container	Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards: - Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m ³ (measured as inhalable dust). - New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m ³ ; TWA = 3 mg/m ³ (respirable dust).
Exposure Limits	No Data Available
Biological Limits	No information available.
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Personal Protection Equipment	- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety goggles. - Hand protection: Handle with gloves. Recommended: Impervious gloves. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.
Special Hazards Precautions	No information available.



Work Hygienic Practices

Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Powder
Odour	Slight
Colour	Creamy white
pH	5.5 - 7.0
Vapour Pressure	No Data Available
Relative Vapour Density	No Data Available
Boiling Point	No Data Available
Melting Point	No Data Available
Freezing Point	No Data Available
Solubility	Readily soluble in cold water, forming a viscous paste
Specific Gravity	No Data Available
Flash Point	No Data Available
Auto Ignition Temp	>250 °C
Evaporation Rate	No Data Available
Bulk Density	0.6 - 0.9 g/cm3
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	No information available.
Potential for Dust Explosion	Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Fast or Intensely Burning Characteristics	No information available.
Flame Propagation or Burning Rate of Solid Materials	No information available.
Non-Flammables That Could Contribute Unusual Hazards to a Fire	Material is very slippery when wet.
Properties That May Initiate or Contribute to Fire Intensity	May burn but does not ignite readily. *Product will burn only on direct contact with flame.



Reactions That Release Gases or Vapours	Fire/decomposition may produce irritating and/or toxic gases, including Carbon oxides.
Release of Invisible Flammable Vapours and Gases	No information available.

10. STABILITY AND REACTIVITY

General Information	No information available.
Chemical Stability	Product is stable in normal handling conditions.
Conditions to Avoid	Avoid generating dust. Keep away from heat and sources of ignition.
Materials to Avoid	Incompatible/reactive with strong oxidising agents.
Hazardous Decomposition Products	Fire/thermal decomposition may produce irritating and/or toxic gases, including Carbon oxides.
Hazardous Polymerisation	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

General Information	Information on toxicological effects: - Acute toxicity: No information available. - Skin corrosion/irritation: No information available. - Serious eye damage/irritation: No information available. - Respiratory/skin sensitisation: No information available. - Germ cell mutagenicity: No information available. - Carcinogenicity: No information available. - Reproductive toxicity: No information available. - STOT (single exposure): No information available. - STOT (repeated exposure): No information available. - Aspiration toxicity: No information available. Information on possible routes of exposure: - Ingestion: Non-toxic; large amounts may cause nausea and vomiting. Product swells in contact with water/moisture - May cause choking if swallowed. - Eye contact: May cause physical/mechanical irritation. - Skin contact: May cause physical/mechanical irritation. - Inhalation: Dust overexposure may cause respiratory tract irritation. Chronic effects: No information available.
Acute	
Ingestion	Acute toxicity (Oral): - LD50, Rat: >5,000 mg/kg [Supplier's SDS].
Carcinogen Category	None

12. ECOLOGICAL INFORMATION

Ecotoxicity	No information available.
Persistence/Degradability	The material is biodegradable.
Mobility	No information available.
Environmental Fate	Prevent entry into drains and waterways.
Bioaccumulation Potential	No information available.



Environmental Impact

No Data Available

13. DISPOSAL CONSIDERATIONS**General Information**

Dispose of contents/container in accordance with local/regional/national regulations.

Special Precautions for Land Fill

No information available.

14. TRANSPORT INFORMATION**Land Transport (New Zealand)**

NZS5433

Proper Shipping Name	Guar Gum
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea Transport

IMDG Code

Proper Shipping Name	Guar Gum
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No
Comments	NON-DANGEROUS GOODS: Not regulated for SEA transport.

Air Transport

IATA DGR

Proper Shipping Name	Guar Gum
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available



Special Provision

No Data Available

Comments

NON-DANGEROUS GOODS: Not regulated for AIR transport.

15. REGULATORY INFORMATION

General Information

No Data Available

Poisons Schedule (Aust)

Not Scheduled

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code

Not Hazardous

National/Regional Inventories

Australia (AIC)

Listed

Canada (DSL)

Listed

Canada (NDSL)

Not Listed

China (IECSC)

Listed

Europe (EINECS)

Listed

Europe (REACH)

Not Determined

Japan (ENCS/METI)

Not Determined

Korea (KECI)

Listed

Malaysia (List of Classified Substances)

Not Listed

New Zealand (NZIoC)

Listed

Philippines (PICCS)

Listed

Taiwan (TCSI)

Listed

USA (TSCA)

Listed

Mexico (INSQ)

Listed

16. OTHER INFORMATION

Related Product Codes

CAGUAR4100, CAGUAR4101, CAGUAR4200, CAGUAR4300, CAGUAR4301, CAGUAR6900, GUGUAR0100, GUGUAR0110, GUGUAR0200, GUGUAR0300, GUGUAR0310, GUGUAR0400, GUGUAR0401, GUGUAR0402, GUGUAR0500, GUGUAR0600, GUGUAR0601, GUGUAR0700, GUGUAR0800, GUGUAR0900, GUGUAR0910, GUGUAR0920, GUGUAR0930, GUGUAR0940, GUGUAR0950, GUGUAR0960, GUGUAR1000, GUGUAR1001, GUGUAR1002, GUGUAR1003, GUGUAR1004, GUGUAR1005, GUGUAR1006, GUGUAR1007, GUGUAR1008, GUGUAR1009, GUGUAR1010, GUGUAR1011, GUGUAR1100, GUGUAR1101, GUGUAR1102, GUGUAR1200, GUGUAR1300, GUGUAR1400, GUGUAR1401, GUGUAR1500, GUGUAR1600, GUGUAR1601, GUGUAR1610, GUGUAR1660, GUGUAR1670, GUGUAR1700, GUGUAR1701, GUGUAR1702, GUGUAR1703, GUGUAR1704, GUGUAR1705, GUGUAR1710, GUGUAR1714, GUGUAR1750, GUGUAR1774, GUGUAR1778,



GUGUAR1800, GUGUAR1810, GUGUAR1900, GUGUAR1957, GUGUAR1958, GUGUAR2000, GUGUAR2001, GUGUAR2002, GUGUAR2003, GUGUAR2004, GUGUAR2005, GUGUAR2010, GUGUAR2011, GUGUAR2015, GUGUAR2050, GUGUAR2055, GUGUAR2060, GUGUAR2070, GUGUAR2071, GUGUAR2090, GUGUAR2100, GUGUAR2200, GUGUAR2201, GUGUAR2300, GUGUAR2301, GUGUAR2302, GUGUAR2350, GUGUAR2400, GUGUAR2500, GUGUAR2501, GUGUAR2600, GUGUAR2601, GUGUAR2700, GUGUAR2800, GUGUAR2900, GUGUAR3000, GUGUAR3100, GUGUAR3200, GUGUAR3300, GUGUAR3400, GUGUAR3500, GUGUAR3600, GUGUAR3601, GUGUAR3700, GUGUAR3800, GUGUAR3801, GUGUAR3900, GUGUAR3901, GUGUAR3910, GUGUAR4000, GUGUAR4001, GUGUAR4002, GUGUAR4201, GUGUAR4400, GUGUAR4500, GUGUAR4501, GUGUAR4600, GUGUAR5000, GUGUAR5001, GUGUAR5100, GUGUAR5200, GUGUAR5201, GUGUAR5300, GUGUAR5301, GUGUAR5302, GUGUAR5310, GUGUAR5400, GUGUAR5500, GUGUAR5510, GUGUAR5600, GUGUAR5700, GUGUAR5701, GUGUAR5710, GUGUAR5800, GUGUAR5900, GUGUAR5901, GUGUAR6000, GUGUAR6001, GUGUAR6100, GUGUAR6101, GUGUAR6102, GUGUAR6200, GUGUAR6600, GUGUAR6700, GUGUAR6800, GUGUAR7000, GUGUAR7001, GUGUAR7100, GUGUAR7200, GUGUAR7300, GUGUAR7600, GUGUAR7700, GUGUAR8000, GUGUAR8100, GUGUAR8101, GUGUAR8102, GUGUAR8200, GUGUAR8300, GUGUAR8400, GUGUAR8500, GUGUAR8600, GUGUAR8700, GUGUAR8800, GUGUAR8801, GUGUAR8802, GUGUAR8803, GUGUAR8900, GUGUAR8900, GUGUAR9100, GUGUAR9200, GUGUAR9300, GUGUAR9400, GUGUAR9500, GUGUAR9600, GUGUAR9700, GUGUAR9800, GUGUAR9801, GUGUAR9900

Revision

4

Revision Date

26 Mar 2022

Key/Legend

< Less Than

> Greater Than

AICS Australian Inventory of Chemical Substances**atm** Atmosphere**CAS** Chemical Abstracts Service (Registry Number)**cm²** Square Centimetres**CO₂** Carbon Dioxide**COD** Chemical Oxygen Demand**deg C (°C)** Degrees Celcius**EPA (New Zealand)** Environmental Protection Authority of New Zealand**deg F (°F)** Degrees Farenheit**g** Grams**g/cm³** Grams per Cubic Centimetre**g/l** Grams per Litre**HSNO** Hazardous Substance and New Organism**IDLH** Immediately Dangerous to Life and Health**immiscible** Liquids are insoluable in each other.**inHg** Inch of Mercury**inH₂O** Inch of Water**K** Kelvin**kg** Kilogram**kg/m³** Kilograms per Cubic Metre**lb** Pound**LC₅₀** LC stands for lethal concentration. LC₅₀ is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.**LD₅₀** LD stands for Lethal Dose. LD₅₀ is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.**ltr or L** Litre**m³** Cubic Metre**mbar** Millibar**mg** Milligram**mg/24H** Milligrams per 24 Hours**mg/kg** Milligrams per Kilogram**mg/m³** Milligrams per Cubic Metre**Misc or Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.**mm** Millimetre**mmH₂O** Millimetres of Water**mPa.s** Millipascals per Second**N/A** Not Applicable**NIOSH** National Institute for Occupational Safety and Health**NOHSC** National Occupational Health and Safety Commission**OECD** Organisation for Economic Co-operation and Development**Oz** Ounce**PEL** Permissible Exposure Limit**Pa** Pascal**ppb** Parts per Billion

ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours
psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne Tonne
TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight

