

MATERIAL SAFETY DATA SHEET

Product Name: **ADGEL SDSF-108**

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Modified Guar gum powder

Product Name: ADGEL SDSF-108

Synonyms: Modified Guar Gum powder

1.2. Intended Use of the Product Use of modified guar gum is for Industrial applications only.

1.3. Company Name, Address, and Telephone of the Responsible Party

Adachi Natural Polymer Limited

C-1, 91/14, GIDC Estate, Phase-1, Vatva,

Ahmedabad-382 445

Gujarat (India).

Phone no. +91-79-2583 1375 -76

Fax no. +91-79-2589 3255

1.4. Emergency Telephone Number

Emergency Number : +91-79-2583 1375 -76

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call ADACHI.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification

Combustible dust:

Eye Irritant : Category 2A

Full text of hazard classes and H-statements: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard pictograms:



Warning

Signal word : May form combustible dust concentrations in air. Causes serious eye irritation.

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Hazard Statements (GHS-US)

H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H336 - May cause drowsiness or dizziness.

Precautionary Statements (GHS-US)

: P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical, ventilating, and lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe powder, mist, spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, respiratory protection.
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a poison center or doctor.

Hazard Pictograms (GHS-US)

:



P321 - Specific treatment (see section 4 on this SDS).
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use appropriate media to extinguish.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.
P403+P233+P235 - Store in a well-ventilated place. Keep container tightly closed. Keep cool.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. Repeated or prolonged skin contact may cause dermatitis and defatting.

2.4. Unknown Acute Toxicity (GHS-US)

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No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixture

Name	Product Identifier	%	GHS-US classification
Guar gum Powder	9000-30-0	86%	Eye Irrit. 2A, H319 Skin Corr. 1B, H-319
Caustic soda	1310-73-2	7%	-H314 Eye Dam.1,
Fumed Silica	112945-52-5	0.5%	H318 -NA
P-Chloro meta cresol	59-50-7	1%	--H-401-toxic to
Water	7732-18-5	5.5%	aquatic life

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: Obtain medical attention if breathing difficulty persists. When symptoms occur: go into open air and ventilate suspected area.

First-aid Measures After Skin Contact: Remove contaminated clothing. Immediately flush skin with plenty of water for at least 30 minutes. Immediately call a POISON CENTER or doctor. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention

First-aid Measures After Ingestion: Rinse mouth. Do not induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: For skin: Irritant to skin, For Eyes: Irritant effect

Symptoms/Injuries After Inhalation: High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness. may cause Irritation to the mucus membrane.

Symptoms/Injuries After Skin Contact: Causes severe irritation and allergic symptoms.

Symptoms/Injuries After Eye Contact: Causes severe Eye irritation.

Symptoms/Injuries After Ingestion: consult doctor incase case persistent symptoms.

Chronic Symptoms: None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: CO₂, Alcohol Resistance foam, Powder form extinguisher

Factory Address: C-1, 91/14, GIDC Estate, Phase-1, Vatva, Ahmedabad-382 445 Gujarat- India. Tel: +91-79-2583 1375-76, Fax: +91-79-2589 3255. Email: info@adachigroup.com , Web: www.adachigroup.com

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Unsuitable Extinguishing Media: use of Water forms a slippery paste

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: not inflammable. May burn in smoke form slowly.

Explosion Hazard: not explosive in nature.

Reactivity: forms water soluble gel when contact with water.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Thermal decomposition generates: Carbon oxides (CO, CO₂). Sulfur oxides. Hydrocarbon.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges. Use only non-sparking tools.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Eliminate ignition sources. Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills and dispose of waste safely. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Appropriate technical measures should be taken to dispose of dust by ventilation or vacuum cleaning

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Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not get in eyes, on skin, or on clothing. Do not breathe mist, spray, vapors. Take precautionary measures against static discharge. Use only non-sparking tools. Handle empty containers with care because they may still present a hazard. Use appropriate personal protective equipment (PPE).

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Anyhow avoid excessive raising dust or loose material. Therefore, regular removing deposit of dust is recommended.

Storage Conditions: Keep/Store away from extremely high or low temperatures, direct sunlight, ignition sources, and incompatible materials. Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place. Store in original container or corrosive resistant and/or lined container. Store locked up.

Incompatible Products: Strong acids, strong bases, strong oxidizers. Halogenated compounds. Acid anhydrides. Aldehydes.

7.3. Specific End Use(s)

AS thickening agent in Industrial applications.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Modified Guar gum Powder (9000-30-0)		
USA ACGIH	ACGIH TWA (ppm)	NA
USA ACGIH	ACGIH STEL (ppm)	NS
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	Biological Exposure Indices (BEI)	Not specified
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	NA
USA NIOSH	NIOSH REL (TWA) (ppm)	NA
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	NA
USA NIOSH	NIOSH REL (STEL) (ppm)	NA
USA IDLH	US IDLH (ppm)	NA
USA OSHA	OSHA PEL (TWA) (mg/m ³)	NA
USA OSHA	OSHA PEL (TWA) (ppm)	NA

8.2. Exposure Controls

Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure all national/local regulations are observed.

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Personal Protective Equipment

: Protective clothing. Protective goggles. Gloves. Insufficient ventilation: wear respiratory protection. Face shield.



Materials for Protective Clothing

: Chemically resistant materials and fabrics. Wear fire/flammable resistant/retardant clothing. Corrosion-proof clothing.

Hand Protection

: Wear protective gloves.

Eye Protection

: Chemical safety goggles.

Skin and Body Protection

: Wear suitable protective clothing. A full face shield is recommended.

Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Environmental Exposure Controls

: Avoid release to the environment.

Other Information

: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Powder
Appearance	: Light Creamish
Odor	: Characteristic
Odor Threshold	: No data available
pH	:6.5 - 7.5 (10% solution)
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available

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Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Specific Gravity	: 0.7-0.8 gm/cm ³
Solubility	: Soluble in water.
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity 10% solution at 25°C	: 12,000 -18,000 cps

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Reacts violently with strong oxidizers. Forms gel with water.
- 10.2. Chemical Stability:** Humid, strong acidic and alkaline conditions may lead to decomposition of this product
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** when contact with water on floor, will results slippery area.
- 10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Halogenated compounds. Acid anhydrides. Aldehydes, Borax.
- 10.6. Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified.

Modified Guar gum (9000-30-0)	
LD50 Dermal Rabbit	Not known
LC50 Inhalation Rat	Not known
LC50 Inhalation Rat	Not known

Skin Corrosion/Irritation: Causes severe skin irritation and eye irritation or damage.

pH: 6.5 -7.5 (10% solution)

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Serious Eye Damage/Irritation: may Causes serious eye damage or irritations.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Modified Guar gum (9000-30-0)	
IARC group	Not classified

Reproductive Toxicity: Not classified STOT

Specific Target Organ Toxicity (Single Exposure): May cause drowsiness or dizziness.

STOT

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Inhalation may cause immediate severe irritation progressing quickly to chemical burns. May be corrosive to the respiratory tract. High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

Symptoms/Injuries After Skin Contact: Causes severe irritation which will progress to chemical burns.

Symptoms/Injuries After Eye Contact: Causes severe irritation which may progress to eye damage. Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not classified.

Modified Guar gum (9000-30-0)	
LC50 Fish 1	Not known
EC50 Daphnia 1	Not known
EC50 Other Aquatic Organisms 1	Not known
LC50 Fish 2	Not known
EC50 Other Aquatic Organisms 2	Not known

12.2. Persistence and Degradability

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Persistence and Degradability Radially Biodegradable

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12.3. Bio accumulative Potential

ADGEL SDSF-108	
Bio accumulative Potential	Not known
Modified Guar gum (9000-30-0)	
Log Pow	Not known

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects

Other Information

- : Water hazards: Do not allow large quantities of diluted or undiluted product to reach ground water, water body or Sewage systems.
- : Heavy metals: no present to the best our knowledge.
- : absorbable organic halogen: The product contains halogens in form of inorganic salts, which can stimulate small AOX value.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national and international regulations.

Additional Information: Handle empty containers with care because residual powder may cause health problem

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

Proper Shipping Name : ADGEL SD-108 (modified guar gum with Cas no. 9000-30-0)

Hazard Class : Not classified as dangerous goods according to transport regulations

Packing Group : as per customers specifications

ERG Number : not specified

Identification no.: 9000 -30-0

14.2. In Accordance with IMDG

Label Codes : Not specified

EmS-No. (Fire) : not specified

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Product Name: **ADGEL SDSF-108**

EmS-No. (Spillage) : not specified

MFAG Number : not specified

14.3. In Accordance with IATA

Identification Number : not specified

Hazard Class : not specified

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

ADGEL SD-108

SARA Section 311/312 Hazard Classes

Not classified as hazards goods

Modified Guar gum Powder (9000-30-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

SARA Section 313 - Emission Reporting

Data not available.

Caustic Soda (1310-73-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State Regulations

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Product Name: **ADGEL SDSF-108**

U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Acute
U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Chronic
U.S. - California - Toxic Air Contaminant List (not known)
U.S. - Connecticut - Hazardous Air Pollutants - (Not known)
U.S. - Connecticut - Hazardous Air Pollutants - (not known)
U.S. - Connecticut - Volatile Substances
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
U.S. - Idaho - Occupational Exposure Limits - not available
U.S. - Massachusetts - Toxics Use Reduction Act
U.S. - Michigan - Occupational Exposure Limits - not known
U.S. - Minnesota - Hazardous Substance List -
U.S. - Minnesota - Permissible Exposure Limits - not known
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - not known
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - not known
U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances
U.S. - New Jersey - Environmental Hazardous Substances List
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - New York - Occupational Exposure Limits - not known
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour – not known
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour – not known
U.S. - Oregon - Permissible Exposure Limits -not known
U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups
RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
RTK - U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour – not known
U.S. - Tennessee - Occupational Exposure Limits - not known
U.S. - Texas - City of Austin - Aerosol Paint and Glue Restrictions
U.S. - Texas - Effects Screening Levels - Long Term -not known
U.S. - Texas - Effects Screening Levels - Short Term -not known
U.S. - Vermont - Permissible Exposure Limits - not known
U.S. - Vermont - Permissible Exposure Limits - not known
U.S. - Washington - Permissible Exposure Limits - not known
U.S. - Washington - Permissible Exposure Limits - not known

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Product Name: **ADGEL SDSF-108**

SECTION 16: OTHER INFORMATION INCLUDING DATE OF PREPARATION AND LAST REVISION

Other Information : This document has been prepared in accordance with the SDS

References: not available

Created: 25th June 2015

Last updated: 1st April 2021

GHS-TEXT PHRASES:

Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H314	Cause severe skin burn and eye damage
H318	May causes serios Eye damage
H319	Causes serious eye irritation

The information above is believed to be accurate and represent the best information currently available to us and is intended to describe the product for the purposes of health, safety and environmental requirements only. However, we make no warranty of merchantability or any other warranty, express or implied with respect to such information and we assume no liability resulting from its use. User should make their own investigation to determine the suitability of the information for their particular purposes. In no event shall ADACHI NATURAL POLYMER LIMITED be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ADACHI NATURAL POLYMER LIMITED has been advised of the possibility of such damages.