

## Material Safety Data Sheet

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Version 1.1

According to 91/155/EEC

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1 - Product and Company Information

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|                   |   |
|-------------------|---|
| Product Name      | GUM LOCUST BEAN   |
| Product Number    | G0753   |
| Company           | Sigma-Aldrich Pty. Ltd.<br>12 Anella Avenue<br>Castle Hill NSW 2154 |
| Technical Phone # | +61 2 9841 0555 (1800 800 097)                                      |
| Fax               | +61 2 9841 0500 (1800 800 096)                                      |
| Emergency Phone # | +44 8701906777 (1800 448 465)                                       |

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2 - Composition/Information on Ingredients

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|                 |   |           |                         |
|-----------------|---|-----------|-------------------------|
| Product Name    | CAS #   | EC no     | Annex I<br>Index Number |
| GUM LOCUST BEAN | 9000-40-2   | 232-541-5 | None                    |
| Synonyms        | Algaroba * Carob bean gum * Carob flour *<br>NCI-C50419 * St. John's bread * Supercol |           |                         |

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3 - Hazards Identification

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SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT  
Not hazardous according to Directive 67/548/EEC.

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4 - First Aid Measures

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## AFTER INHALATION

If inhaled, remove to fresh air. If breathing becomes difficult,  
call a physician.

## AFTER SKIN CONTACT

In case of skin contact, flush with copious amounts of water for  
at least 15 minutes. Remove contaminated clothing and shoes.  
Call a physician.

## AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of  
water for at least 15 minutes. Assure adequate flushing by  
separating the eyelids with fingers. Call a physician.

## AFTER INGESTION

If swallowed, wash out mouth with water provided person is  
conscious. Call a physician.

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5 - Fire Fighting Measures

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## EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or  
appropriate foam.

## SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

## SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

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## 6 - Accidental Release Measures

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### PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear protective equipment.

### METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

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## 7 - Handling and Storage

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### HANDLING

Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

### STORAGE

Conditions of Storage: Keep tightly closed.

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## 8 - Exposure Controls / Personal Protection

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### ENGINEERING CONTROLS

Mechanical exhaust required.

### GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

### PERSONAL PROTECTIVE EQUIPMENT

Special Protective Measures: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

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## 9 - Physical and Chemical Properties

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|                       |                                       |                            |
|-----------------------|---------------------------------------|----------------------------|
| Appearance            | Color: Slightly beige<br>Form: Powder |                            |
| Property              | Value                                 | At Temperature or Pressure |
| pH                    | N/A                                   |                            |
| BP/BP Range           | N/A                                   |                            |
| MP/MP Range           | N/A                                   |                            |
| Flash Point           | N/A                                   |                            |
| Flammability          | N/A                                   |                            |
| Autoignition Temp     | N/A                                   |                            |
| Oxidizing Properties  | N/A                                   |                            |
| Explosive Properties  | N/A                                   |                            |
| Explosion Limits      | N/A                                   |                            |
| Vapor Pressure        | N/A                                   |                            |
| SG/Density            | N/A                                   |                            |
| Partition Coefficient | N/A                                   |                            |
| Viscosity             | N/A                                   |                            |
| Vapor Density         | N/A                                   |                            |

|                       |     |
|-----------------------|-----|
| Saturated Vapor Conc. | N/A |
| Evaporation Rate      | N/A |
| Bulk Density          | N/A |
| Decomposition Temp.   | N/A |
| Solvent Content       | N/A |
| Water Content         | N/A |
| Surface Tension       | N/A |
| Conductivity          | N/A |
| Miscellaneous Data    | N/A |
| Solubility            | N/A |

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## 10 - Stability and Reactivity

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### STABILITY

Stable: Stable.

### HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

### HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

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## 11 - Toxicological Information

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RTECS NUMBER: OJ8690000

### ACUTE TOXICITY

LD50  
Oral  
Rat  
13000 mg/kg

LD50  
Oral  
Mouse  
13000 mg/kg

LD50  
Oral  
Rabbit  
9100 mg/kg

LD50  
Oral  
Hamster  
10000 mg/kg

### SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### ROUTE OF EXPOSURE

Multiple Routes: May be harmful by inhalation, ingestion, or skin absorption.

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## 12 - Ecological Information

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No data available.

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## 13 - Disposal Considerations

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#### SUBSTANCE DISPOSAL

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

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#### 14 - Transport Information

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##### RID/ADR

Non-hazardous for road transport.

##### IMDG

Non-hazardous for sea transport.

##### IATA

Non-hazardous for air transport.

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#### 15 - Regulatory Information

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Not hazardous according to Directive 67/548/EEC.

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#### 16 - Other Information

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#### WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2005 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

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