MSDS Number: **A0012** * * * * * *Effective Date:* ***01/24/07*** * * * * * *Supercedes:* ***08/10/04***

MSDS **Material Safety Data Sheet**

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. And Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

J.T.Baker®

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

ACACIA POWDER

1. Product Identification

Synonyms: Gum acacia; Gum arabic; acacia gum; Indian gum
CAS No.: 9000-01-5
Molecular Weight: Not applicable to mixtures.
Chemical Formula: Not available.
Product Codes: 0430

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Gum Arabic	9000-01-5	100%	Yes

3. Hazards Identification

Emergency Overview

WARNING! MAY BE HARMFUL IF SWALLOWED OR INHALED. CAUSES SEVERE EYE IRRITATION. MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION. MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 0 - None
Flammability Rating: 2 - Moderate
Reactivity Rating: 0 - None
Contact Rating: 3 - Severe
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: Green (General Storage)

Potential Health Effects

Inhalation:
A weak allergen. Inhalation of dust may cause respiratory symptoms such as asthma, watery nose and eyes, cough and wheezing. Hives, eczema, and swelling may also occur.
Ingestion:
Considered non-toxic, but sensitive individuals may develop symptoms paralleling those from inhalation exposure.
Skin Contact:
May cause allergic reaction in sensitive individuals.
Eye Contact:
May cause severe irritation, redness, pain.
Chronic Exposure:
No information found.
Aggravation of Pre-existing Conditions:
No information found.

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4. First Aid Measures

Inhalation:
Remove to fresh air. Get medical attention for any breathing difficulty.
Ingestion:
If swallowed, give several glasses of water to drink to dilute. If large amounts

were swallowed or symptoms occur, get medical advice. Never give anything by mouth to an unconscious person.

Skin Contact:

Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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5. Fire Fighting Measures

Fire:

Combustible dust.

Minimum dust cloud ignition temperature:

500C (932F).

Explosion:

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Minimum explosible concentration: 0.06 g/l (air) Maximum explosion pressure: 117 lb./sq. in.

Fire Extinguishing Media:

Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Pressure from the extinguishing media may cause severe dusting.

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6. Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

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7. Handling and Storage

Keep in a tightly closed container. Store in a cool, dry, ventilated area away from sources of heat or ignition. Protect against physical damage. Store separately from reactive or combustible materials, and out of direct sunlight. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

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8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
None established.
Ventilation System:
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. Please refer to the ACGIH document, *Industrial Ventilation*, *A Manual of Recommended Practices*, most recent edition, for details.
Personal Respirators (NIOSH Approved):
For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.
Skin Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Eye Protection:
Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.
Other Control Measures:
Allergic responses in sensitive individuals will disappear if removed from exposure.

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9. Physical and Chemical Properties

Appearance:
White to tan solid.
Odor:
Odorless.
Solubility:

Soluble in water.
Density:
1.35 - 1.49
pH:
4.5-5.5 Slightly acidic (aqueous solution).
% Volatiles by volume @ 21C (70F):
No information found.
Boiling Point:
No information found.
Melting Point:
No information found.
Vapor Density (Air=1):
No information found.
Vapor Pressure (mm Hg):
No information found.
Evaporation Rate (BuAc=1):
No information found.

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10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
Carbon dioxide and carbon monoxide may form when heated to decomposition.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Oxidizing agents. Precipitates or jellies result upon addition of solutions of ferric salts, borax, lead subacetate, alcohol, sodium silicate, gelatin, ammoniated tincture of guaiac.
Conditions to Avoid:
Heat, flames, ignition sources and incompatibles.

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11. Toxicological Information

Oral rat LD50: > 16 g/kg. Irritation eye rabbit (std Draize): 36 mg/5H, severe. Investigated as a tumorigen, mutagen, reproductive effector.

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  --------\Cancer Lists\-----------------------------------------------------
-
                                          ---NTP Carcinogen---
  Ingredient                              Known    Anticipated    IARC
Category
```

```
  ------------------------------------   -----    -----------    ------------
-
  Gum Arabic (9000-01-5)                  No          No             None
```

12. Ecological Information

Environmental Fate:
No information found.
Environmental Toxicity:
No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

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  --------\Chemical Inventory Status - Part 1\-------------------------------
--
  Ingredient                                        TSCA  EC   Japan
Australia
  ------------------------------------------------  ----  ---  -----  --------
-
  Gum Arabic (9000-01-5)                             Yes  Yes   No       Yes

  --------\Chemical Inventory Status - Part 2\-------------------------------
--
                                                            --Canada--
  Ingredient                                        Korea  DSL   NDSL  Phil.
  ------------------------------------------------  -----  ---   ----  -----
  Gum Arabic (9000-01-5)                             Yes   Yes   No     Yes

  --------\Federal, State & International Regulations - Part 1\--------------
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                                          -SARA 302-    ------SARA 313----
--
  Ingredient                              RQ    TPQ     List  Chemical
Catg.
  ----------------------------------------  ---   -----   ----  ------------
--
  Gum Arabic (9000-01-5)                  No    No      No         No

  --------\Federal, State & International Regulations - Part 2\--------------
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                                                          -RCRA-    -TSCA-
  Ingredient                              CERCLA     261.33     8(d)
  ----------------------------------------  ------     ------    ------
  Gum Arabic (9000-01-5)                  No         No         No


Chemical Weapons Convention:  No     TSCA 12(b):  No     CDTA:  No
SARA 311/312:  Acute: Yes      Chronic: No   Fire: Yes Pressure: No
Reactivity: No          (Pure / Solid)
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Australian Hazchem Code: None allocated.
Poison Schedule: None allocated.
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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16. Other Information

NFPA Ratings: Health: **1** Flammability: **1** Reactivity: **0**
Label Hazard Warning:
WARNING! MAY BE HARMFUL IF SWALLOWED OR INHALED. CAUSES SEVERE EYE IRRITATION. MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION. MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR.
Label Precautions:
Do not breathe dust.
Avoid contact with eyes, skin and clothing.
Keep container closed.
Wash thoroughly after handling.
Use only with adequate ventilation.
Avoid dust cloud in presence of an ignition source.
Store in a tightly closed container.
Label First Aid:
In case of skin contact, immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes.

Get medical attention. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. If swallowed, give several glasses of water to drink to dilute. If large amounts were swallowed or symptoms occur, get medical advice. Never give anything by mouth to an unconscious person.

Product Use:

Laboratory Reagent.

Revision Information:

MSDS Section(s) changed since last revision of document include: 3.

Disclaimer:

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