



255 Norman.  
Lachine (Montreal), Que  
H8R 1A3

# Material Safety Data Sheet

## EMERGENCY NUMBERS:

(USA) CHEMTREC : 1(800) 424-9300 (24hrs)  
 (CAN) CANUTEC : 1(613) 996-6666 (24hrs)  
 (USA) Anachemia : 1(518) 297-4444  
 (CAN) Anachemia : 1(514) 489-5711

WHMIS	Protective Clothing	TDG Road/Rail
WHMIS CLASS: D-2A		Not controlled under TDG (Canada). PIN: Not applicable. PG: Not applicable.

Section I. Product Identification and Uses	
<b>Product name</b>	<b>ARABIC GUM</b>
<b>Chemical formula</b>	Not available.
<b>Synonyms</b>	Acacia, Gum arabic, AC-0853, M-0298, 08464
<b>Supplier</b>	Anachemia Canada. 255 Norman. Lachine (Montreal), Que H8R 1A3
<b>Material uses</b>	For laboratory use only.

<b>CI#</b>	Not available.
<b>CAS#</b>	9000-01-5
<b>Code</b>	AC-0853
<b>Formula weight</b>	Not available.
<b>Supersedes</b>	

Section II. Ingredients			
Name	CAS #	%	TLV
1) ARABIC GUM	9000-01-5	60-100	Not established by ACGIH

<b>Toxicity values of the hazardous ingredients</b>	ARABIC GUM: ORAL (LD50): Acute: 8000 mg/kg (Rabbit). >16 g/kg (Rat). >16 g/kg (Mouse).
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<b>Section III. Physical Data</b>	ARABIC GUM	page 2/4
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<b>Physical state and appearance / Odor</b>	Odorless, white to light cream powder.
<b>pH (1% soln/water)</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>Percent volatile</b>	0% at 21°C
<b>Freezing point</b>	Decomposes.
<b>Boiling point</b>	Not available.
<b>Specific gravity</b>	1.425 (Water = 1)
<b>Vapor density</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Water/oil dist. coeff.</b>	Not available.
<b>Evaporation rate</b>	Not applicable.
<b>Solubility</b>	>50% in H <sub>2</sub> O

<b>Section IV. Fire and Explosion Data</b>
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<b>Flash point</b>	Not available.
<b>Flammable limits</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Fire degradation products</b>	Oxides of carbon (CO, CO <sub>2</sub> ).
<b>Fire extinguishing procedures</b>	Use flooding quantities of water. Wear adequate personal protection to prevent contact with material or its combustion products. Self contained breathing apparatus with a full facepiece operated in a pressure demand or other positive pressure mode.
<b>Fire and Explosion Hazards</b>	This material in powder form is capable of creating a dust explosion. When heated to decomposition it emits acrid smoke and fumes. The sensitivity to static discharge is not available. The sensitivity to impact is not available.

<b>Section V. Toxicological Properties</b>
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<b>Routes of entry</b>	Inhalation and ingestion. Eye contact. Skin contact.
<b>Effects of Acute Exposure</b>	Harmful by ingestion, inhalation or skin absorption. Irritant.
<b>Eye</b>	Causes irritation. IRRITATION: EYE-RABBIT 36 mg/5H SEVERE.
<b>Skin</b>	Causes skin irritation. May cause allergic skin reaction.
<b>Inhalation</b>	Headache, coughing, dizziness, dyspnea. May cause allergic respiratory reaction. Reported to be a weak allergen. Inhalation of dust can cause respiratory problems with symptoms such as asthma, coughing, wheezing, watery eyes and nose. Angioedema, eczema and hives can result from inhalation or ingestion.
<b>Ingestion</b>	See inhalation.



<b>Section V. Toxicological Properties</b>	ARABIC GUM	page 3/4
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<b>Effects of Chronic Overexposure</b>	This substance is known to cause allergic reactions in certain individuals once they become sensitized after exposure to even small amounts over a period of time. Carcinogenic effects: Not available. Mutagenic effects: Not available. Teratogenic effects: Not available. Toxicity of the product to the reproductive system: Not available. To the best of our knowledge, the chemical, physical, and toxicity of this substance has not been fully investigated.
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<b>Section VI. First Aid Measures</b>
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<b>Eye contact</b>	Immediately flush eyes with copious quantities of water for at least 15 minutes holding lids apart to ensure flushing of the entire surface. Call a physician.
<b>Skin contact</b>	Immediately flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Wash contaminated clothing before reusing.
<b>Inhalation</b>	Remove patient to fresh air. Administer approved oxygen supply if breathing is difficult. Administer artificial respiration or CPR if breathing has ceased. Seek immediate medical attention.
<b>Ingestion</b>	If conscious, wash out mouth with water. Never give anything by mouth to an unconscious person. Call a physician.

<b>Section VII. Reactivity Data</b>
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<b>Stability</b>	Stable. Conditions to avoid: High temperatures, sparks, open flames and all other sources of ignition, contamination.
<b>Hazardous decomp. products</b>	Not available.
<b>Incompatibility</b>	Oxidizing agents, alcohols, acids, ferric salts, borax, lead acetate, sodium silicate, acids.
<b>Reaction Products</b>	Not available. Hazardous polymerization will not occur.



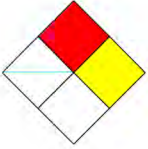
**Section VIII. Preventive Measures** ARABIC GUM page 4/4

<b>Protective Clothing in case of spill and leak</b>	Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
<b>Spill and leak</b>	Sweep up and place in container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete. DO NOT empty into drains. DO NOT touch spilled material.
<b>Waste disposal</b>	According to all applicable regulations. May be harmful to aquatic life. Can be dangerous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds, or rivers.
<b>Storage and Handling</b>	Store in a cool place away from heated areas, sparks, and flame. Store in a well ventilated area. Store away from incompatible materials. Do not add any other material to the container. Do not wash down the drain. Do not breathe dust. Keep container tightly closed and dry. Manipulate in a well ventilated area or under an adequate fume hood. Avoid raising dust. Empty containers may contain a hazardous residue. Handle and open container with care. Minimize dust generation and exposure - use dust mask or appropriate protection. This product must be manipulated by qualified personnel. Do not get in eyes, on skin, or on clothing. Wash well after use. In accordance with good storage and handling practices. Do not allow smoking and food consumption while handling.

**Section IX. Protective Measures**

<b>Protective clothing</b>	Splash goggles. Impervious gloves, apron, coveralls, and/or other resistant protective clothing. Sufficient to protect skin. Wear an effective dust mask, if dust may be present in the work atmosphere. For emergency situations, a self-contained respirator is recommended (NIOSH-approved). Do not wear contact lenses. Make eye bath and emergency shower available. Ensure that eyewash station and safety shower is proximal to the work-station location.
<b>Engineering controls</b>	Local mechanical exhaust ventilation capable of minimizing dust emissions at the point of use. Do not use in unventilated spaces.

**Section X. Other Information**

<b>Special Precautions or comments</b>	<p>Sensitizer! Irritant! Do not breathe dust. Avoid all contact with the product. Avoid prolonged or repeated exposure. Manipulate in a well ventilated area or under an adequate fume hood. To the best of our knowledge, the chemical, physical and toxicity of this substance has not been fully investigated. Handle and open container with care. Container should be opened only by a technically qualified person. RTECS NO: CE5945000.</p> <div style="text-align: right; margin-top: 20px;">   <b>NFPA</b> </div>
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Prepared by MSDS Department/Département de F.S..	Validated 01-Mar-2001
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**Telephone# (514) 489-5711**

*While the company believes the data set forth herein are accurate as of the date hereof, the company makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.*