Science Kit

Swift Science #31

MATERIAL SAFETY DATA SHEET

ScholAR™ Chemistry
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MSDS No. 9457701
9457704 9457706
Effective Date: December 1, 2005

SECTION I NAME

Product	Guar Gum
Chemical Synonyms	Guar Flour
Formula	Natural Product
CAS No.	9000-30-0

24 HOUR EMERGENCY ASSISTANCE

416-984-3000

NFPA: 0 / 1 / 0

Health	1
Flammability	0
Reactivity	0

HAZARD RATING — WHMIS

Minimal 0 | Slight 1 | Moderate 2 | Serious 3 | Severe 4

SECTION II DANGEROUS INGREDIENTS

Name	%	TLV Units
Guar gum	100%	N/A
CAUTION!		

SECTION III PHYSICAL DATA

Melting Point (°C)	N/A	Specific Gravity (H_2O = 1)	N/A
Boiling Point (°C)	N/A	Percent Volatile by Volume (%)	N/A
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (=1)	N/A
Vapor Density (Air=1)	N/A		
Solubility in Water	Soluble.		
Appearance & Odor	Off-white powder; bland odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point	Non-flammable.	Flammable Limits in Air % by Volume	Lower	Upper
		N/A		

Firefighting Procedures

Use dry chemical, CO_2, alcohol foam, or water spray. In fire conditions, fire-fighters should wear an appropriate mask or a self-containing breathing apparatus.

Flammability and Explosion Hazards

Dust dispersed in air is capable of creating a dust explosion when exposed to an ignition source.

TDG **Not controlled under TDG.**

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SECTION V REACTIVITY DATA

GG0246

Chemical Stability	Yes	X	If no, under what conditions?
	No		
Incompatible with Other products	Yes	X	Oxidizing materials.
	No		
Hazardous Decomposition Products	Carbon oxides.		
Reactive under what conditions	Heat and incompatible materials.		

SECTION VI TOXICOLOGICAL PROPERTIES

Route of Entry	Inhalation.
TLV	N/A
Toxicity for animals	LD50: 7060 mg/kg oral-rat LD50: 7000 mg/mg oral-rabbit
Chronic effects on humans	There is no known effects from chronic exposure to this product. Target organs: None known.
Acute effects on humans	Irritating to eyes, skin and respiratory system.

SECTION VII PREVENTIVE MEASURES

Waste Disposal	Discharge, treatment, or disposal may be subject to local laws. Consult your local or regional authorities.
Storage	Keep container dry. Keep in a cool place. Keep container tightly closed. Avoid dispersion of dust in air.
Precautions	Avoid contact with skin and eyes. DO NOT breathe dust. DO NOT ingest. If ingested, seek medical advice immediately.
Spill or leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Protective Clothing	Safety glasses, lab coat, dust respirator, gloves.

SECTION VIII FIRST AID MEASURES

Specific first aid measures

Ingestion: Call physician or Poison Control Center immediately. Induce vomiting only if advised by the appropriate medical personnel. Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention. Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Inhalation: Move victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Allow victim to rest in a well ventilated area. Seek immediate medical attention.

SECTION IX PREPARATION OF THE MSDS

Rev. No. 4	Date December 1, 2005	Approved	Michael Raszeja