

HIL 0103054-H 91204

#912

MATERIAL SAFETY DATA SHEET
 NFPA RATING: Health = 2 Flammability = 2 Reactivity = 0
 HMIS RATING: Health = 1/2 Flammability = 2 Reactivity = 0

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name: HILLYARD INDUSTRIES (0858B)
 Address: 302 North Fourth Street
 St. Joseph, MO 64501
 Product Name: LIQUID GUM-GO
 Date Prepared: September 15, 2004
 Prepared by: Regulatory Affairs Department
 Emergency Telephone No.: (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.)
 Other information calls: (816) 233-1321 (Ext. 8285)
<http://www.hillyard.com>

SECTION II - INGREDIENTS/IDENTITY INFORMATION

Components (Specific Chemical Identity: Common Name(s))	CAS#	OSHA PEL	ACGIH	OTHER LIMITS RECOMMENDED	%
Petroleum distillate (iso alkanes)	64741-65-7	100 ppm*	100ppm*	200 ppm* STEL	83-88
d-Limonene	5959-27-5	not established	not established	N.A.	12-17

* Not established for this CAS #; use Stoddard solvent CAS #8052-41-3 for PEL and TLV. CAS #8052-41-3 is regulated by OSHA and the following states: FL, IL, LA, MA, NJ, PA, RI.
 V.O.C. = 767.7 gwt/l; V.O.S. = 6.4 lbs./gallon

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: > 300°F
 Vapor Pressure (mm Hg): 1.2
 Vapor Density (AIR = 1): 5.1
 Solubility in Water: negligible
 Specific Gravity (H₂O = 1): 25°C = 0.8 39°C = 0.8
 Percent Volatile by Volume (%): 99.9%
 Evaporation Rate (ethyl ether = 1): slower than 1
 Appearance and Odor: thin, clear to slightly translucent liquid; orange odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash point: 130°F (T.C.C.) average
 Extinguishing Media: Carbon dioxide, dry chemical foam. Use NFPA Class B Extinguishers.
 Special Fire Fighting Procedures: Treat as any petroleum solvent fire. Avoid spreading liquid and fire by water. Wear full protective equipment including self-contained breathing apparatus.
 Unusual Fire and Explosion Hazards: Keep container closed and isolated from heat, electrical equipment, sparks and flame. Do not expose to heat or store above 120°F (49°C). Do not spray near ignition sources such as heat, sparks, open flames, etc.

SECTION V - PHYSICAL HAZARDS

Stability: Stable
 Incompatibility (Materials to Avoid): Avoid contact with strong acids and strong oxidizing agents.
 Hazardous Decomposition Products or Byproducts: None under normal conditions. Thermal decomposition may produce organic acids, carbon dioxide and carbon monoxide.
 Hazardous Polymerization: Will not occur
 Conditions to Avoid: Elevated temperatures
 Conditions to Avoid: N/A

SECTION VI - HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes Skin? Yes Ingestion? Yes
HEALTH HAZARDS (1. Acute and 2. Chronic)
 1. Product is a primary skin irritant per Federal Hazardous Substance Act; however it is not an eye irritant per the Federal Hazardous Substance Act testing procedure. Acute oral limit test produced no mortality at 5 gm/kg. Harmful if swallowed. Causes nose and throat irritation. May affect the brain or nervous system causing dizziness, headache or nausea. Causes nose and throat irritation. Prolonged overexposure can cause skin irritation. Notice: Reports have associated repeated and prolonged occupational overexposure to solvent with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. 2. None
 Chemical Listed as Carcinogen or Potential Carcinogen:
 National Toxicology Program - No I.A.R.C. Monographs - No OSHA - No
 This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.
 Signs and Symptoms of Exposure: Overexposure may cause nose and throat irritation, and skin irritation, liver damage, kidney damage. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
 Medical Conditions Generally Aggravated by Exposure: Skin problems such as industrial dermatitis. Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be adversely affected by exposure to any vapor or airborne particulate matter.