



# SAFETY DATA SHEET

## LIQUID GUM ARABIC (LGA)

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### **Section 1: Identification of the Substance and of the Company**

#### **1.1 Product Identifier:**

**Product Name:** LGA-20, LGA-30  
**Synonyms:** Liquid Gum Arabic, Gum Arabic Solution, E414  
**CAS Number:** 9000-01-5

#### **1.2 Relevant Identified uses of the Substance and Uses Advised Against:**

**Relevant Identified Uses:** Colloidal Stabilizer.

#### **1.3 Details of the Supplier of the Safety Data Sheet:**

**Supplier:** ATPGroup  
2 Madison Ave.  
Larchmont, NY 10538 USA  
Telephone: 914-834-1881  
Fax: 914-834-4611  
[www.atpgroup.com](http://www.atpgroup.com)

#### **1.4 Emergency Telephone Number**

**Telephone** 800-424-9300 – CHEMTREC (24/7) – within USA & Canada  
+1 703-527-3887 – CHEMTREC (24/7) – International & Maritime  
914-834-1881 – ATPGroup

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### **Section 2: Hazards Identification**

#### **2.1 Classification of the Substance:**

The Liquid Gum Arabic is not classified as hazardous under the provisions of Directives 67/548/EEC and 1999/45/CD and/or Regulation EC 1272/2008 (CLP) and subsequent amendments and adjustments



## 2.2 Label Elements:

According to EC REG. No. 1272/2008

**Hazard Pictogram:** None

**Signal Word:** None

**Hazard Statements:** None

**Precautionary Statements:** None

## 2.3 Other Hazards:

No information on other hazards. Gum Arabic is included in the GRAS list.

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## **Section 3: Composition/Information on Ingredients**

### 3.1 Chemical Characteristics/Substances

No data available

### 3.2 Ingredients

Commercial Name:	Gum Arabic
CAS #:	9000-01-5
EC#:	232-519-5
Other information:	Maximum concentration 30%
Commercial Name:	Potassium Metabisulfite
CAS#:	7773-03-7
EC#:	231-870-1
Other Information:	Maximum concentration 0.50% Xi; R36/37 R31 Eye Irritant 2, H319



## **Section 4: First Aid Measures**

### **4.1 Description of First Aid**

**Skin Contact:** Wash thoroughly with soap and water, consult a physician if irritation occurs

**Eye Contact:** Immediately rinse with plenty of water for at least 10 minutes

**Ingestion:** If swallowed in large amounts, drink plenty of water and seek medical advice.

**Inhalation:** Ventilate the area. Immediately move the patient to a well ventilated area. If you feel unwell seek medical advice.

### **4.2 Most Important Symptoms and Effects, both Acute and Delayed**

Irritation of eyes and mucous membranes

### **4.3 Indication of any Immediate Medical Attention and Special Treatment Needed**

In case of doubt seek medical advice

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## **Section 5: Fire-fighting Measures**

### **5.1 Extinguishing Media**

**Suitable Extinguishing Media:** Water spray, dry chemical, alcohol foam, or carbon dioxide.

**Unsuitable Extinguishing Media for Safety Concerns:** No data available

### **5.2 Special Hazards Arising from the Substance**

**Fire:** None

**Explosion:** None

**Other:** Sulfur Dioxide gas is liberated when in contact with acids at temperatures  $>50^{\circ}\text{C}$  (120F)

### **5.3 Advice for Firefighters**

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.

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## **Section 6: Accidental Release Measures**

### **6.1 Personal Precautions, Protective Equipment and Emergency Procedures**



**Non-Emergency Personnel:** move away from the area surrounding the spill or release. No smoking. Wear appropriate protective equipment (see section 8).

**Emergency Personnel:** ventilate area, wear appropriate protective equipment (see section 8), avoid breathing the dust and contact with eyes. No smoking. Evacuate the danger area and, if necessary, consult an expert.

## **6.2 Environmental Precautions**

Limit spills with earth or sand. If the product has escaped into a water course, into the drainage system, or it has contaminated the ground or vegetation, notify the competent authorities. Dispose of waste in compliance with current local regulations.

## **6.3 Methods and Material for Containment and Cleaning Up**

Collect the spilled material in appropriate containers for reclamation or disposal in accordance with local rules. Absorption by an inert material may be necessary. Flush area with water.

## **6.4 Reference to Other Sections**

See Section 8 or 13

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# **Section 7: Handling and Storage**

## **7.1 Precautions for Safe Handling**

Follow appropriate Good Manufacturing Practices. Avoid contact, inhalation, and ingestion. See also section 8.

## **7.2 Conditions for Safe Storage, Including Any Incompatibilities**

Keep in a tightly closed container. Do not store in unlabeled containers. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat/ignition, moisture, direct sunlight, extreme cold, and incompatibilities.

## **7.3 Specific End Uses**

See 1.2

## **Section 8: Exposure Controls/Personal Protection**

### **8.1 Control Parameters**

Potassium Bisulfite: TLV STEL 0.25ppm (SO<sub>2</sub>)

### **8.2 Exposure Controls**

**Appropriate Engineering Controls:** Provide ventilation system; in general dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

#### **Personal Protective Equipment (PPE):**

**Personal Respirators (NIOSH Approved):** Recommended

**Skin Protection:** Gloves and protective clothing to prevent contact.

**Eye Protection:** Use chemical safety goggles with side shields (ref. EN 166). Maintain eye wash fountain and quick-drench facilities in work area.

**Hygiene Measures:** Handle with accordance with good industrial hygiene and safety practice. Wash your hands before breaks and at the end of the workday. Keep away from food and drink. Wash work clothing and PPE periodically to remove contaminants.

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## **Section 9: Physical and Chemical Properties**

### **9.1 Information on Basic Physical and Chemical Properties**

**Appearance:** yellowish liquid

**Odor:** Characteristic

**Odor Threshold:** N/A

**pH:** 3.00 – 4.20

**Melting Point:** No data available

**Freezing Point:** No data available

**Boiling Point:** >100°C (212F)

**Flash Point:** No data available

**Flammability:** Not flammable    **Upper Limit:** N/A    **Lower Limit:** N/A

**Explosive Properties:** Not explosive    **Upper Limit:** N/A    **Lower Limit:** N/A

**Auto-Ignition Temperature:** No data available



**Decomposition Temperature:** >100°C (212F)  
**Partition Coefficient: n-Octanol/water:** No data available  
**Solubility:** Completely soluble in water  
**Density:** 1.100 – 1.130 g/cm<sup>3</sup>  
**Relative Density:** 0.40g/cc  
**Vapor Density (Air=1):** No data available  
**Evaporation Rate (BuAc=1):** No data available  
**Vapor Pressure (mm Hg):** No data available  
**Viscosity:** 50 – 250 cPs

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## **Section 10: Stability and Reactivity**

### **10.1 Reactivity**

Product reacts violently with nitrites, avoid contact.

### **10.2 Chemical Stability**

Avoid contact with oxidizing agents and strong acids

### **10.3 Possibility of Hazardous Reactions**

Sulfur Dioxide gas is liberated when in contact with acids at temperatures >50°C (120F)

### **10.4 Conditions to Avoid**

Contact with acids, nitrites

### **10.5 Incompatible Materials**

None

### **10.6 Hazardous Decomposition Products**

No decomposition when used per manufacturer's instructions.

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## **Section 11: Toxicological Information**

### **11.1 Information on Toxicological Effects**

#### **Gum Arabic:**

LD50 (rat, oral): >5000mg/kg

**Unless otherwise specified, the data required by Regulation 453/2010 / EC listed below are considered NOT APPLICABLE (N.A.)**

1. Acute Toxicity
2. Skin Corrosion/Irritation
3. Serious Eye Damage/Irritation
4. Respiratory or Skin Sensitization
5. Germ Cell Mutagenicity
6. Reproductive Toxicity
7. STOT-Single Exposure
8. STOT-Repeated Exposure
9. Aspiration Hazard
10. Information on Likely Routes of Exposure

Ingredient	Known	Anticipated	IARC Category
Gum Arabic	No	No	None

## **Section 12: Ecological Information**

### **12.1 Toxicity**

Adopt good working practices, avoiding release of the product in the environment.

### **12.2 Persistence and Degradability**

Totally biodegradable except for the residual sulfur dioxide.

### **12.3 Bioaccumulative Potential**

Not potentially bioaccumulative.

### **12.4 Mobility in Soil**

No data available

### **12.5 Results of PBT and vPvB Assessment**

Not considered to be a PBT or vPvB substance per Regulation (EC) No. 1907/2006, Annex XIII

## **Section 13: Disposal Considerations**

### **13.1 Waste Treatment Methods**

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. Empty containers have to be handled with the same caution as the pure substance.

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## **Section 14: Transport Information**

Not regulated. Not a Hazardous Material

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## **Section 15: Regulatory Information**

### **15.1 Standards and legislation, health legislation specific for the substance / mixture**

- Regulation 3/2/1997 n. 52 (Classification, packaging and labeling of dangerous substances)
- Regulation 14/3/2003 n. 65 (Classification, packaging and labeling of dangerous substances)
- D.M. 26/02/2004 work (occupational exposure limits)
- D.M. 03/04/2007 (Implementation of Directive no. 2006/8 / EC)
- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EC) No. 1272/2008 (CLP)
- Regulation (EC) No. 790/2009 (ATP1 CLP)
- Regulation (EU) No. 453/2010 (Annex I)
- Regulation (EU) No. 286/2011 (ATP 2 CLP)
- Restrictions related to the product or contained substances pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH) and subsequent amendments

Where applicable, refer to the following regulations:

- Regulation September 21, 2005 n. 238 (Seveso Directive Ter)
  - Regulation EC No. 648/2004 (detergents).
  - Decree 9 January 1927, n. 147 (Toxic Gas)
  - D.L. 3/4/2006 n. 152 Environmental Regulations.
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## **Section 16: Other Information**

### **Text of phrases referred to in section 3:**

R31 = Contact with acids liberates toxic gas

R36 = Irritating to eyes

R37 = Irritating to respiratory system

Description of danger signs set out in paragraph 3

H319 = Causes serious eye irritation.

Classification made based on the data of all the components of the mixture

### **Revision Information: SDS Revision Date April 11, 2016**

#### Disclaimer:

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