

**AMERICAN INTERNATIONAL INDUSTRIES**

2220 GASPAR AVENUE  
LOS ANGELES, CA 90040  
CHEM-TEL: (800) 255-3924

**MATERIAL SAFETY DATA SHEET****PRODUCT NAME:** Gena Strengthener Base**DATE:** 3/5/2004**FORMULA:** 30-4452**REV.** NEW**Section 1. Material Identification and Information****Hazardous Ingredients:**

Component	CAS #	%	TOXICOLOGICAL DATA
Butyl Acetate	123-86-4		ACGIH TWA: 150ppm OSHA PEL: 150ppm
Ethyl Acetate	141-78-6		ACGIH TWA: 400ppm OSHA PEL: 400ppm
Isopropyl Alcohol	67-63-0		ACGIH TWA: 400ppm OSHA PEL: 400ppm
Nitrocellulose	9004-70-0		ACGIH TWA: 400ppm
Tosylamide/Formaldehyde Resin	1338-51-8		N/A
Dibutyl Phthalate	84-74-2		OSHA PEL: 5ppm
Ethanol	64-17-5		ACGIH TWA: 1000ppm OSHA PEL: 1000ppm
Formaldehyde	50-00-0		ACGIH TWA: 1ppm OSHA PEL: 1ppm
Butyl Alcohol	71-36-3		ACGIH TWA: 50ppm

**Section 2. Physical / Chemical Characteristics**

**Boiling Point:** 171-640°F  
**Vapor Pressure:** Not Determined  
(mm Hg and Temperature)  
**Vapor Density:** Not Determined  
(Air = 1)  
**Solubility in Water:** Soluble  
**Appearance:** Not Determined  
**Odor:** Strong Solvent

**Specific Gravity:** N/A  
(@ 25°C)  
**Melting Point:** N/A  
**Evaporation Rate:** N/A  
**Water Reactive:** N/A

**Section 3. Fire and Explosion Hazard Data**

**Flash Point and Method Used:**  
**Auto-Ignition Temperature:**  
**Flammability Limits in Air % by Volume:**

24°F Tag Closed Cup  
N/A  
**LEL:** N/A  
**UEL:** N/A

**Extinguisher Media:**

Carbon dioxide, dry chemical, foam

**Special Fire Fighting Procedures:**

Full protective equipment, including self-contained breathing apparatus is recommended. Water from fog nozzle may be used to cool containers to prevent pressure build up.

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When heated above the flash point flammable vapors may be emitted.  
Fine mists or sprays may be flammable at temperatures below the flash point.

**Section 4. Reactivity Hazard Data****Stability:** ☒ Stable ☐ Unstable**Conditions to Avoid:** Do not store over 120°F.**Incompatibility (Materials to Avoid):**

Acids, Alkalies, and Peroxides.

**Hazardous Decomposition:**

Carbon Monoxide, Carbon Dioxide, Nitrous Oxides, Smoke

**Hazardous Polymerization:**

☐ May Occur ☒ Will Not Occur

**Section 5. Health Hazard Data****Carcinogen Listed In:**☐ NTP☐ IARC Monograph☐ OSHA☒ Not Listed

**Health Hazards:** Acute: Irritation, burning of eyes and skin, nervous system depression.  
Chronic: Reports have associated repeated and prolonged overexposure to solvent with permanent brain damage.

**Signs and Symptoms of Exposure:**

Headache, dizziness, nausea, staggering gate, confusion, unconsciousness.

**Emergency First Aid Procedures:**

**Eye Contact:** May cause irritation or burning eyes. In case of eye contact, immediately flush with plenty of water for at least 15 minutes. Call a physician.

**Skin Contact:** Repeated or prolonged liquid contact may cause skin irritation with discomfort or dermatitis. In case of skin contact, wash with soap and water. If irritation occurs, consult a physician.

**Inhalation:** May cause nose and throat irritation.

**Ingestion:** Gastro intestinal distress, call a physician.

**Section 6. Control and Protective Measures****Respiratory Protections (Specific Type):**

Use with adequate ventilation and avoid breathing vapors.

**Protective Gloves:** Neoprene gloves.**Eye Protection:** Include splash guards and side shields.**Ventilation to be Used:**

☒ Local Exhaust ☐ Other (Specify)

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Coveralls, eye bath, and shower.

**Hygienic Work Practices:**

Good Manufacturing Practices.

**Section 7. Precautions for Safe Handling and Use / Leak Procedures****Steps to be Taken if Material is Spilled or Released:**

Ventilate area and remove sources of ignition. Prevent skin contact and breathing vapors.  
Confine and remove with inert absorbent.

**Waste Disposal Methods:**

Dispose of in accordance with applicable Federal, State, and Local Regulations (Do not incinerate in closed containers).

**Precautions to be taken in Handling and Storing:**

Observe label precautions and keep away from heat, sparks, & flames. Close container after each use. Ground container when pouring. Do not store over 120°F. Wash hands thoroughly after before eating.

**Other Precautions and/or Special Hazards:**

None