

**MATERIAL SAFETY DATA SHEET**

Emergency 24 hour phone number: Chem-tel (800) 255-3924

**CA PLUS Heptane Accelerator (Part #'s 00475, 00120, 00320, 00620, amd 00720)**

**1. General Information: Heptane based accelerator, activator for cyanoacrylate adhesives.**

**Hazard Rating: Health 1 Fire 3 Reactivity 0**

<b>2. <u>Physical Data:</u></b>	<b>Boiling point</b>	<b>205°-210° F</b>
	<b>Specific Gravity</b>	<b>0.68</b>
	<b>Vapor Density</b>	<b>3.45</b>
	<b>Vapor Pressure</b>	<b>35mm @ 68°F</b>
	<b>Solubility in Water</b>	<b>Immiscible</b>
	<b>Evaporation Rate</b>	<b>(Either = 1) 2.7</b>
	<b>Appearance and Odor</b>	<b>Clear liquid, aliphatic</b>
	<b>Volatile Organic Compound</b>	
	<b>(EPA Method 24)</b>	<b>99.9%; 680 gms/ltr.</b>

**3. Ingredients: n-Heptane Cas # 142-82-5 (95-100%), Substituted amidine Cas # 99-97-8**

**4. FLAMMABILITY & EXPLOSIVE PROPERTIES:**

**Flash Point: 30°F Method: Tag Closed Cup**  
**Estimated NFPA Code: Health Hazard 1, Reactivity Hazard 0, Fire Hazard 3**  
**Estimated HMIS Code: Health Hazard 1, Reactivity Hazard 0, Flammability Hazard 3**  
**Explosive Limits: (% by volume in air) Lower: 1.1%, Upper 6.7%**  
**Recommended Extinguishing Agents: Carbon Dioxide, foam, dry chemical**  
**Hazardous Products Formed by Fire or Thermal Decomposition: None**  
**Unusual Fire or Explosion Hazardous: None**  
**Compressed Gases: None**

**5. SPILL OR LEAK & DISPOSAL PROCEDURES: Steps to be taken in case of spill or leak: Maintain good ventilation. Avoid ignition sources. Soak up remainder in an inert absorbent and store in a closed container until disposal. Recommended methods of disposal: Incinerate following EPA and local regulations.**

5. **STORAGE & HANDELING PROCEDURES:** Storage: Store below 120° F in a tightly closed container away from oxidizing materials and sources of ignition.  
 Handling : Keep away from flame. Avoid prolonged breathing or vapors. Avoid skin or eye contact.
7. **SHIPPING REGULATIONS:**  
 DOT (49 CFR 172) Domestic Ground Transport Proper Shipping Name: Consumer Commodity (Not more than one liter); Heptane solution (More than one liter.)  
 Hazard Class or Division: ORM-D (Not more than one liter); Class 3, Packing Group II. Identification No. None (Not more than one liter); UN 1206 (More than one liter). Marine Pollutant: None IATA Proper Shipping Name: Heptane Solution. Class or Division: Class 3, Packing Group II. UN or ID Number: UN 1206.
8. **REACTIVITY DATA:** Stability: Stable Hazardous Polymerization: Will not occur. Hazardous Decomposition Products (non-thermal): None. In Compatibility: Strong Oxidizers
9. **EMERGENCY TREATMENT PROCEDURES:** Ingestion: Induce vomiting. Obtain medical attention. Inhalation: Remove to fresh air. If symptoms persists, obtain medical attention. Skin Contact: Wash with soap and water. Eye contact: Flush at least 15 minutes with water. Obtain medical attention.
10. **PERSONAL PROTECTION:** Eyes: Safety glasses or goggles. Skin: Rubber or plastic gloves. Ventilation: Adequate to avoid exceeding TLV.
11. **HEALTH HAZARD DATA:** Toxicity: Eye irritant. Anesthetic. Moderately toxic by ingestion. Residue after evaporation of solvent destructive to tissue of the mucous membranes, and upper respiratory tract, eyes and skin. Primary routes of entry: Heptane” inhalation, ingestion, contact. Signs & symptoms of exposure: Dizziness, anesthesia, unconsciousness. Existing Conditions aggravated by exposure: None known.

Exposure Limits (TWA)	ACGIH (TLV)	OSHA (PEL)	OTHER
Ingredients: n-Heptane	400 ppm TWA 1640 mg/M3	500 ppm TWA 1600 mg/M3	none
Exposure Limits (STEL)	500 ppm 2050 mg/M3	500 ppm 2000 mg/M3	

Ingredients for which no exposure limits have been established are not listed above.

Ingredients	Literature Referenced Target Organ & Other Health Effects	Carcinogen		
		NTP	IARC	0
n-Heptane	NER	No	No	N
Substituted amidine	No Data	No	No	N

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