

MATERIAL SAFETY DATA SHEET

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I - IDENTIFICATION

PRODUCT NAME: Cynergy Activator H
CHEMICAL COMPOSITION: SOLVENT BLEND
CHEMICAL FAMILY: ACCELERATOR

HMIS RATINGS

HEALTH= 2 FLAMMABILITY= 3 REACTIVITY=2 PERSONAL PROTECTION =B
0=LEAST 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME B=GLOVES,SAFETY GLASSES

2. COMPOSITION

| | | |
|---------------------|-----------|----------|
| N-Heptane | 142-82-5 | 95-100% |
| Substituted Amidine | 6674-22-2 | 0.1-0.5% |

3. CHEMICAL AND PHYSICAL PROPERTIES

| | |
|---|-------------------------|
| APPEARANCE: | Clear Liquid |
| ODOR: | Aliphatic Odor |
| SPECIFIC GRAVITY: | 0.68 |
| BOILING POINT: | 205 - 210 °F |
| SOLUBILITY IN WATER: | immiscible |
| VAPOR DENSITY: | 3.45 |
| VAPOR PRESSURE: | 35 mm @ 68 °F |
| VOLATILE ORGANIC COMPOUND (EPA Method 24): | 99.9% ; 680 grams/liter |
| EVAPORATION RATE (Ether = 1): | 2.7 |
| pH: | Does not apply |
| APPEARANCE: | Clear liquid |
| ODOR: | Aliphatic |

4. FIRE AND EXPLOSION HAZARD DATA:

| | |
|---------------------|--|
| FLASH POINT: | 30°F (method used TCC.) |
| FLAMMABLE LIMITS | LEL = N/A UEL = N/A |
| EXTINGUISHING MEDIA | Carbon Dioxide, dry chemicals, water |
| HMIS | HEALTH 1 FLAMMABILITY 3 REACTIVITY 0 |
| NFPA | HEALTH 1 FIRE HAZARD 3 REACTIVITY 0 |

NOTE: SEE SECTION FOR PERSONAL PROTECTION

| | |
|---|-------------------------------------|
| Explosive Limits: | |
| % by volume in air (LOWER) | 1.1% |
| % by volume in air (UPPER) | 6.7% |
| RECOMMENDED EXTINGUISHING AGENTS: | Carbon Dioxide, foam, dry chemicals |
| SPECIAL FIRE FIGHTING PROCEDURES: | NONE |
| UNUSUAL FIRE and EXPLOSION HAZARDS | NONE |
| HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION: | Irritating Organic Vapors |

5. 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 |
|------------------------|-----------------------------|-----------------------------|-------|
| n-Heptane | 400 ppm (TWA) 1640 mg/M3 | 500 ppm (TWA) 1600 mg/M3 | None |
| Exposure Limits (STEL) | | | |
| n-Heptane | 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 | NTP | Carcinogen | |
|---------------------|--|-----|------------|-------|
| | | | IARC | Other |
| N-Heptane | Effects. Nervous System | NO | NO | NO |
| Substituted Amidine | No Data | NO | NO | NO |

6. 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.

Incinerate following EPA Federal, State and local regulations.

7. STORAGE & HANDLING PROCEDURES STORAGE:

Store below 120 °F in a tightly closed container away from oxidizing materials and sources of ignition.

HANDLING: Keep away from open flame. Avoid prolonged breathing of vapors. Avoid skin or eye contact.

8. SHIPPING & HANDLING PROCEDURES

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
 (more than 1 liter)

IDENTIFICATION NO: None (Not more than one Liter);
 UN 1206 (More than one liter)

MARINE POLLUTANTS: None

IATA

PROPER SHIPPING NAME: Heptane Solution

CLASS OR DIVISION:
UN OR ID NUMBER:

UN 1206

9. REACTIVITY DATA

| | |
|---|------------------|
| STABILITY: | Stable |
| HAZARDOUS POLYMERIZATION: | Will not occur |
| HAZARDOUS DECOMPOSITION PRODUCTS (NON-THERMAL): | None |
| INCOMPATIBILITY: | Strong Oxidizers |

10. EMERGENCY TREATMENT PROCEDURES

| | |
|---------------|---|
| INGESTION: | Induce vomiting. Obtain medical attention |
| INHALATION: | Remove to fresh air. If Symptoms persist, obtain medical attention. |
| SKIN CONTACT: | Wash with soap and water. |
| EYE CONTACT: | Flush at least 15 minutes with water. Obtain medical attention. |

11. PERSONAL PROTECTION:

| | |
|--------------|---------------------------------|
| EYES: | Safety Glasses or Goggles. |
| SKIN: | Rubber or Plastic Gloves |
| VENTILATION: | Adequate to avoid exceeding TLV |

The information contained herein is based upon data taken in good faith and considered accurate. However, no warrant is implied or expressed regarding the accuracy of this data or the results obtained from the use thereof.

NA= Not Available na= not applicable NE=Not Established ND=Not Determined mppcf=million parts/ft3
mg/M3= milligrams per cubic meter