

MATERIAL SAFETY DATA SHEET

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1 - IDENTIFICATION

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

HMIS RATINGS

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

2. COMPOSITION

N-Propyl Bromide 106-94-5 99.5%

3. CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE:	Liquid
ODOR:	Solvent Odor
SPECIFIC GRAVITY:	1.4
BOILING POINT:	70 °C
SOLUBILITY IN WATER:	miscible
VAPOR DENSITY:	4.3
EVAPORATION RATE (Ether = 1):	<1
pH:	Does not apply

4. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT:	22 °C (method used TCC.)
FLAMMABLE LIMITS	LEL = 4.6 UEL = NA
EXTINGUISHING MEDIA	Carbon Dioxide, dry chemicals, water
HMIS	HEALTH 2 FLAMMABILITY 3 REACTIVITY 0
NFPA	HEALTH 2 FIRE HAZARD 3 REACTIVITY 0

NOTE: SEE SECTION FOR PERSONAL PROTECTION

Explosive Limits:	
% by volume in air (LOWER)	7.4%
% by volume in air (UPPER)	15.5%
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:

EYE CONTACT: Presumed to be moderately irritating to the eyes. Based on the presence of component 1 product vapors and/or mist may also be irritating to the eyes.

SKIN CONTACT: Moderately irritating to the skin. Prolonged contact may cause damage to the skin. Absorption through the skin may result in symptoms of exposure as those described for inhalation and ingestion. Prolonged or repeated contact may result in defatting and drying of the skin which may result in dermatitis.

INHALATION: Exposure may produce irritation to the nose, throat, respiratory tract, and other mucous membranes. Base on the presence of component 1 exposure to high concentration of vapor may produce central nervous system depression.

INGESTION: Small amounts of the liquid aspirated into the lungs during ingestion or from vomiting may result in severe lung damage. Based on the presence of component 1 ingestion may cause central nervous system depression.

SIGNS AND SYMPTOMS: Symptom of eye irritation include pain, tearing, reddening and swelling. Symptoms of skin irritation include reddening, swelling, rash and redness . Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function, Abdominal pain, nausea, vomiting and diarrhea. Based on the presence of component 1 central nervous system depression may be evidence by headache, dizziness, nausea and symptoms of intoxication; in extreme cases, unconsciousness and death may occur. Symptom of chronic overexposure include loss of memory, loss of intellectual ability and loss of coordination.

OTHER HEALTH EFFECTS:

EXPOSURE LIMITS:	ACGIH (TLV)	OSHA(PEL)
N-Propyl Bromide	10 ppm	NA

6. SPILL OR LEAK & DISPOSAL PROCEDURES:

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:

Evacuate the hazard area of unprotected personnel. Dike and contain any spills. If vapor cloud forms, a water fog may be used to suppress: contain run-off. Soak up any residue with inert absorbent such as clay, sand or other suitable materials. Place in a non-leaking container and seal for proper disposal. Flush area with water to remove any remaining residue. Disposal of material should be according to federal, state and local EPA. Incinerate following EPA Federal, State and local regulations.

7. STORAGE & HANDLING PROCEDURES STORAGE:

Store below 100°F in a tightly closed container in a cool dry place.

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

HAZARD CLASS OR DIVISION: Not regulated
UN Number NA

9. REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS & MATERIALS TO AVOID: Strong oxidizers

HAZARDS DECOMPOSITION PRODUCTS: None

10. EMERGENCY TREATMENT PROCEDURES

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if any symptoms exist.

SKIN CONTACT:	Remove contaminated clothing and shoe. Wipe excess from skin and flush with water using soap if available. Seek medical attention if irritation occurs. DO NOT reuse clothing until thoroughly decontaminated.
INHALATION:	Remove victim to fresh air and treat symptomatically, provide oxygen if breathing is difficult. Give CPR if victim is not breathing. Seek prompt medical attention.
INGESTION:	Dilute with two glasses of water unless the victim is unconscious or very drowsy. DO NOT induce vomiting. If vomiting occurs spontaneously, keep the victim's head below the hip to prevent aspiration into the lungs. Consult a physician, hospital or poison control center and/or transport to an emergency facility immediately.
11. PERSONAL PROTECTION:	
RESPIRATORY PROTECTION:	Use ventilation as required to control vapor concentrations- at least 10 air changes per hour are recommended for good general ventilation. If exposure exceeds the PEL/TLV, use the appropriate NIOSH-approved respirator.
PROTECTIVE CLOTHING:	Wear safety glasses, goggles or a splash shield to prevent eye contact. CONTACT LENSES SHOULD NOT BE WORN. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.
ADDITIONAL PROTECTIVE MEASURES:	Eye wash fountains and safety shower should be available for use in emergency.
SHELF LIFE:	12 Months in original sealed container

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