

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910:1200. Standard must be
 consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (As Used on Label and List) D₃E LIQUID		The information contained herein is based on data Considered accurate: however, no warranty either expressed or implied of any nature with respect to the product or the data is made.	
Section I			
Manufacturer's Name ANIMAL SCIENCE PRODUCTS		Emergency Telephone Number 1-800-424-9300 CHEMTREC	
Address (Number, Street, City, and ZIP Code) FM 1275 SOUTH, NACOGDOCHES, TX, 75963-1408		Telephone Number for Information 1-800-657-2324 ANIMAL SCIENCE PRODUCTS	
P.O. DRAWER 631408		Date Prepared 04/13/94	
		Signature of Preparer (optional)	
Section II-Hazardous Ingredients/Identity Information			
Hazardous Components (Specific Chemical Identity; Common Name(s) OSHA PEL ACGIH TLV Other limits Recommended % (optional)			
n-propyl alcohol (71-23-8) ----- OSHA TWA 200 ppm; STEL 250 ppm			
ACCGIH TWA (skin) 200 ppm; STEL 250 ppm			
Section III - Physical/Chemical Characteristics			
Boiling Point:	200-285°C	Specific Gravity (H ₂ O = 1)	1.02-1.1
Vapor Pressure (mm Hg.)	<4 mm Hg @ 20°C	Melting Point	NA
Vapor Density (AIR = 1)	>2	Evaporation Rate (Butyl Acetate = 1)	ND
Solubility in water: Appreciable			
Appearance and Odor: Amber to dark viscous liquid with slight odor.			
Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used): May exhibit false flash, below 100 degrees F., but will not sustain combustion.		Flammable Limits:	LEL NA LEL NA
Extinguishing Media: Use extinguishing media appropriate for the surrounding conditions.			
Special Fire Fighting Procedures: Approach fire from the upwind side. Avoid breathing smoke, fumes, mist, or vapors on the downwind side. Firefighters wear protective clothing, and self contained breathing apparatus.			
Unusual Fire Fighting and Explosion Hazards: If stored in drums: Containers may rupture from internal pressure if confined to fire area. cool with water. Get non-emergency personnel out of the area.			

Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid:
	Stable	XXX	
Compatibility (Materials to Avoid): Oxidizers or oxidizing materials. Heat.			
Hazardous Decomposition or Byproducts: From combustion: smoke, carbon monoxide, carbon dioxide.			
Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	XXX	
Section VI - Health Hazard Data			
Route(s) of Entry: Inhalation? Possible Skin? Yes Ingestion? Possible-irritant Eyes? Yes-irritant			
Health Hazards (Acute and Chronic): ACUTE: Vapors or liquid may be irritating to skin, eyes, mucous membranes. Avoid inhalation or skin/eye contact. CHRONIC: Unknown.			
Carcinogenicity: NTP? NO IARC Monographs? NO OSHA Regulated? NO			
Signs of Symptoms of Exposure: Prolonged exposure can cause: Nausea, headache, vomiting and narcotic effects (Dizziness, confusion, etc.). Skin irritation develops slowly after contact, eye irritation develops immediately upon contact.			
Medical Conditions Generally Aggravated by Exposure: Pre-existing skin disorders.			
Emergency and First Aid Procedures:			
Eye Contact: Flush eyes with water for 15 minutes. Get medical attention if symptoms develop and persist.			
Skin Contact: Flush with water or soap and water for 15 minutes or until all traces have been removed. Seek medical attention if symptoms develop and persist.			
Inhalation: Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact a physician immediately.			
Section VII - Precautions for Safe Handling and Use			
Steps to Be Taken in Case Material is Released or Spilled: Pick up with absorbent material.			
Waste Disposal Method: Waste suitable for landfill. Flush to sewer with large volumes of water.			
Precautions to Be Taken in Handling and Storing: Store away from oxidizers or materials bearing a yellow "D.O.T." label. Store in a cool Place, away from ignition sources, and away from hot surfaces.			
Other Precautions: Clean up leaks/spills immediately to prevent soil or water contamination.			
Section VIII - Control Measures			
Respiratory Protection (Specify Type): Not normally needed under proper conditions of use and storage.			
Ventilation	Local Exhaust: Recommended		Special: Not necessary
	Mechanical (General): Recommended		Other: Not necessary
Protective Gloves: Chemical impervious gloves		Eye Protection: Chemical goggles or full face shield.	
Other Clothing or Equipment: Boots, aprons, drench showers, eye wash as needed for protection against spills and/or splashes.			
Work/Hygienic Practices: Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in section VI.			