Material Safety Data Sheet

Flynap

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Carolina Biological Supply Company
2700 York Rd | Burlington, NC 27215 • to order: 800.334.5551 • for support: 800.227.1150

CAROLINA
www.carolina.com

Section 1 - Product Description

Product Name: FlyNap
Product Code(s): 17-3010, 17-3015, 17-3025, 17-3048, 17-3050, 17-3052, 17-3060, 74-6530, 17-1950, 17-1951, 17-1958, 17-1959, 17-1960, 17-1964, 17-1966, 17-1984, 17-1987, 17-1990, 17-1993
Size: 10 mL, 100 mL
Chemical Name: Product is a mixture
CAS Number: See Section 3
Formula: See Section 3
Synonyms: N/A
Distributor: Carolina Biological Supply Company, 2700 York Road, Burlington, NC 27215
Chemical Information: 800-227-1150 (8am-5pm (ET) M-F) **Chemtrec** 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard Identification

Emergency Overview: Irritating to eyes, respiratory system and skin. May cause damage to kidneys, liver, & blood.
Potential Health Effects:

Eyes: Causes severe burns and eye damage upon direct contact. Vapor is irritating.

Skin: Causes severe burns. May cause irritation to skin.

Ingestion: Causes severe burns. May cause gastrointestinal discomfort.

Inhalation: Causes severe burns. May cause irritation to respiratory tract.

Section 3 - Composition / Information on Ingredients

Principal Hazardous Components: Triethylamine (CAS# 121-44-8) 50%; Ethanol(CAS# 64-17-5) 25%; Fragrance (neutralizer) 25%
TLV units: Ethanol: ACGIH-TLV 1000 ppm (TWA)
Triethylamine: ACGIH-TLV 1 ppm (TWA); 3 ppm (STEL) (Skin)
PEL units: Ethanol: OSHA-PEL 1000 ppm (TWA)
Triethylamine: OSHA-PEL 25 ppm (TWA)

Section 4 - First Aid Measures

Emergency and First Aid Procedures:

Eyes - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Skin - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Ingestion - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).

Inhalation - In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Section 5 - Firefighting Procedures

Flash Point (Method Used): -9 °C (CC) (Triethylamine)
NFPA Rating:
Health: 3
Fire: 3
Reactivity: 0
Extinguisher Media: Use dry chemical, CO2 or appropriate foam.
Flammable Limits in Air % by Volume: (Triethylamine) LEL: 1.2% UEL: 8.0%
Autoignition Temperature: N/A
Special Firefighting Procedures: Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: Vapours may travel back to ignition source. Closed Containers exposed to heat may explode.

Section 6 - Spill or Leak Procedures

Steps to Take in Case Material Is Released or Spilled: Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

Section 7 - Special Precautions

Precautions to Take in Handling or Storing: Keep container tightly closed in a cool, well-ventilated place.
Keep away from oxidizing materials and strong acids. This material should be kept in an area suitable for the storage of flammable liquids. Store away from oxidizing agents, sparks and flame.

Section 8 - Protection Information

Respiratory Protection (Specify Type): None needed under normal conditions of use with adequate ventilation. A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.
Ventilation:
Local Exhaust: Yes
Mechanical(General): Yes
Special: No
Other: No
Protective Gloves: Natural rubber, Neoprene, PVC or equivalent.
Eye Protection: Splash proof chemical safety goggles should be worn.
Other Protective Clothing or Equipment: Lab coat, apron, eye wash, safety shower.

Section 9 - Physical Data

Molecular Weight: N/A
Boiling Point: 89.3 °C (Triethylamine)
Vapor Density(Air=1): 3.5 (Triethylamine)
Percent Volatile by Volume: 100%
Solubility in Water: Soluble
Melting Point: (Triethylamine) 115 °C
Vapor Pressure: (Triethylamine) 54 mmHg at 20 °C
Specific Gravity (H2O=1): .73 (Triethylamine)
Evaporation Rate (BuAc=1): >1
Appearance and Odor: Yellowish solution with strong fragrant odor.

Section 10 - Reactivity Data

Stability: Stable
Conditions to Avoid: Heat and sources of ignition.
Keep away from ... (incompatible materials to be indicated by the manufacturer).
Incompatibility (Materials to Avoid): Acids, Oxidizers, Halogens, Sodium Hypochlorite, Nitrogen tetraoxide,

Hazardous Decomposition Products: COx, NOx,
Hazardous Polymerization: Will not occur

Section 11 - Toxicity Data

Toxicity Data: (Triethylamine) ihl-rat LCLo 1000 ppm/4H; orl-rat LD50 460 mg/kg
(Ethanol) orl-rat LD50 7060 mg/kg; ihl-rat LC50 20000 ppm/10H
Effects of Overexposure:
Acute: See Section 2
Chronic: Mutation data cited. Reproductive data cited. Not listed as a carcinogen by IARC, NTP or OSHA. Tumorigenic data cited.
Conditions Aggravated by Overexposure: Skin disorders, Eye disorders, Liver disorders, Impaired Kidney Function,
Target Organs: Cardiovascular system, Liver, Kidneys,
Primary Route(s) of Entry: Inhaltion and skin contact.

Section 12 - Ecological Data

EPA Waste Numbers: See section 15 for RCRA codes

Section 13 - Disposal Information

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.

Section 14 - Transport Information

DOT Proper Shipping Name: UN2924, Flammable Liquid, corrosive, n.o.s. (contains Ethyl Alcohol, Triethylamine), 3, II
Label(s) Required: FLAMMABLE LIQUID, CORROSIVE

Section 15 - Regulatory Information

EPA TSCA Status: On TSCA Inventory
Hazard Category for SARA Section 311/312 Reporting: Acute Chronic Fire

Name List:	**Chemical Category:**
Ethanol - No	Ethanol - No
Triethylamine - No	Triethylamine - No

CERCLA Section 103 RQ(lb.): Triethylamine - 5000 lbs (2270 kg)
Ethanol - No
RCRA Section 261.33: D001 (Igniteability); U404 (triethylamine)

Section 16 - Additional Information

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

ACGIH	American Conference of Governmental Industrial Hygienists
CAS Number	Chemical Services Abstract Number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DOT	U.S. Department of Transportation
IARC	International Agency of Research on Cancer

N/A	Not Available
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
ppm	Parts per million
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act