

Safety Data Sheet

Product No. 19475 Fluoromount-G

Issue Date (04-15-13)

Review Date (08-31-17)

Section 1: Product and Company Identification

Product Name: Fluoromount-G™

Synonym: None

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day

CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

Section 2: Hazard Identification

Product Hazard Classifications: Meets Hazardous Criteria for Preparation/Mixture

GHS Pictograms:



Irritant

GHS Categories:

GHS07: Irritant

Signal Word: Warning

Hazard Statements:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

Precautionary Statements:

Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer).

Wear suitable protective clothing and gloves.

This material and its container must be disposed of as hazardous waste.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of international guidelines.

Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

Label elements: Labeling according to EU guidelines: The product has been classified and marked in accordance with directives on hazardous materials.

Code letter and hazard designation of product: Harmful

Hazard-determining components of labeling: sodium azide

Health Effects:

NFPA Hazard Rating: Health: 1; Fire: 0; Reactivity: 0
 HMIS® Hazard Rating: Health: 1; Fire: 0; Reactivity: 0
 (0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Results of PBT and vPvB assessment: A Chemical Safety Assessment has not been carried out.

PBT: Not applicable.

vPvB: Not applicable.

Emergency overview:

Appearance: Colorless to light yellow, clear; liquid.

Immediate effects:

Potential health effects:

Primary Routes of entry: Inhalation, ingestion and eye/skin contact.

Signs and Symptoms of Overexposure: Although Sodium Azide concentration in this product is low, sodium azide is highly toxic by ingestion and skin absorption.

Acute Overexposure may include: eye, skin, nose and throat irritation; headache, weakness, dizziness, confusion, nausea and vomiting. Severe cases may exhibit difficulty in breathing, irregular heartbeat, reddish colored skin, unconsciousness, convulsions, coma and death. Symptoms may be delayed for several hours after exposure. Overexposure may result in irritation of skin, eyes and mucous membranes, lowered blood pressure and irregular heartbeat. Sodium azide is a chemical asphyxiant and may effect the cardiovascular, respiratory and central nervous systems. Symptoms may include irritation, severe, pounding headaches, dizziness, weakness, nausea, vomiting, low blood pressure, rapid heartbeat, convulsions, collapse and death.

Eyes: Harmful if contact with eyes.

Skin: Harmful if contact on skin.

Ingestion: Harmful if swallowed.

Inhalation: Harmful if inhaled.

Chronic Exposure: Prolonged or repeated exposure to sodium azide may result in pounding headaches, eye and nose irritation, low blood pressure, fatigue and dizziness.

Chemical Listed As Carcinogen Or Potential Carcinogen: No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 67/548/EEC Annex I.

See Toxicological Information (Section 11)

Potential environmental effects:

See Ecological Information (Section 12)

Section 3: Composition / Information on Ingredients

Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No)	%	OSHA TWA mg/m3	ACGIH TWA mg/m3	NTP	IARC	OSHA regulated
Glycerol mist* (56-81-5) EC-No: 200-289-5	<30	15mg/m3*	10 mg/m3	No	No	No
Sodium Azide (26628-22-8) EC-No: 247-852-1  H300 H400, H410 *sodium azide; **hydrazoic acid vapor	<0.2	NE	0.29*mg/m3 0.11 ppm**	No	No	No

Section 4: First Aid Measures

If accidental overexposure is suspected:

Eye(s) Contact: If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occurs, obtain medical attention.

Skin Contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occurs, obtain medical attention.

Inhalation: If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Ingestion: If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: None identified.

Section 5: Fire Fighting Measures

Flash Point: NA

Flammable Limits: Product is not flammable.

Auto-ignition point: NA

Fire Extinguishing Media: Use extinguishing media suitable for surrounding fire.

Special Fire Fighting Procedures: None identified.

Unusual Fire and Explosion Hazards: None identified.

Hazardous combustion products: No combustion products posing significant hazards are expected from this product (a dilute aqueous solution).

Protective Equipment for Firefighters: Self-contained breathing apparatus is recommended for firefighters.

DOT Class: None

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:

Methods and material for containment and cleaning up: Absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.

Ensure adequate ventilation.

Environmental precautions: Contain spill to prevent migration. Do not allow to enter sewers/ surface or ground water.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Keep away from incompatible material. To maintain efficacy, store according to the instructions in the product labeling.

Storage temperature: Room temperature.

Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: No special engineering controls are required. Use with good general ventilation.

Personal Protection Equipment

Respiratory protection: Under normal conditions, the use of this product should not require respiratory protection. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protective gloves: Impervious gloves, such as latex or equivalent, should be worn to prevent skin contact.

Skin protection: Wear appropriate protective clothing and apron to prevent skin contact.

Eye protection: Safety glasses or chemical goggles should be worn to prevent eye contact.

Additional clothing and/or equipment: Eye wash station.

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: Colorless to light brown or light yellow clear liquid.

Odor (threshold): Odorless.

Specific Gravity (H₂O=1):~1.1 @ 20° C

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: ND

Freezing point / melting point: ND

pH: ~8

Solubility in Water: Miscible.

Molecular Weight: NA

Section 10: Stability and Reactivity

Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Avoid contact with incompatible materials.

Materials to Avoid (Incompatibility): Strong acids, Strong bases, Strong oxidizers, Metals and metallic compounds. Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains may result in the buildup of shock sensitive compounds.

Hazardous Decomposition Products: No decomposition products posing significant hazards would be expected from this product (a dilute aqueous solution).

Hazardous Polymerization: None identified.

Section 11: Toxicological Information

Results of component toxicity test performed: Sodium Azide; Oral LD50 Rat: 27 mg/kg; Oral LD50 Mouse: 27 mg/kg; Dermal LD50 Rabbit: 20 mg/kg.

Other Effects: Reproductive effects have been reported in animal studies.

Glycerol: Oral LD50 Rat: 12600 mg/kg; Dermal LD50 Rat: □21900 mg/kg.

Human experience: ND

This product **does not** contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information

Ecological Information: Sodium Azide: 96 Hr. LC50 Oncorhynchus mykiss: 0.8 mg/L; 96 Hr LC50 Lepomis macrochirus: 0.7 mg/L; 96 Hr LC50 Pimephales promelas: 5.46 mg/L [Flow-through]

Glycerol: 96 Hr LC50 Oncorhynchus mykiss: 51-57 mL/L [static]

Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: ND

Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information. Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76).

Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.

US DOT Information: Proper shipping name: Not regulated.

IATA: Proper shipping name: Not regulated.

IMO: Proper shipping name: Not regulated.

Marine Pollutant: No

Canadian TDG: Not regulated.

Section 15: Regulatory Information

Some hazardous ingredients listed in Section 15 are below OSHAs and WHMIS' 1.0% w/w (0.1% for carcinogens) or EU's ingredient specific concentrations required for reporting in Section 3.

United States Federal Regulations

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.

SARA Title III: Sodium Azide is subject to reporting requirements.

RCRA: ND

TSCA: All ingredients are listed.

CERCLA RG's, 40 CFR 302.4: Sodium Phosphate, Dibasic is listed. Sodium Azide is listed

State Regulations

California Proposition 65: No ingredients listed

Massachusetts MSL: Glycerol is listed. Sodium Phosphate, Dibasic is listed. Sodium Azide is listed.

New Jersey Dept. of Health RTK List: Glycerol is listed. Sodium Phosphate, Dibasic is listed. Sodium Azide is listed.

Pennsylvania RTK: Glycerol is listed. Sodium Phosphate, Dibasic is listed. Sodium Azide is listed.

International Regulations

Canada WHMIS: Sodium Azide: D1A, Glycerol: D2B

Europe EINECS Numbers: Sodium Azide: 247-852-1; glycerol: 200-289-5.

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Section 16: Other Information

Label Information: Harmful.

European Risk and Safety Phrases: R22 Harmful if swallowed, S28 After contact with skin, wash immediately with ample amounts of water.

European symbols needed: X_n, Harmful

Canadian WHMIS Symbols: NIF

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.