

MATERIAL SAFETY DATA SHEET

#66280

SECTION 1 - IDENTIFICATION

Product: TUFFNER - AEROSOL

Chemical Family: Mixture

Chemical Formula: NA

Chemical Trade Name, synonyms: NA

Distributed by: Mueller Sports Medicine, Inc.
 P.O. Box 99, 1 Quench Drive
 Prairie Du Sac, WI. 53578
 Telephone: 608-643-8530

MSDS#: 90173

Date: 4-24-90

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SECTION 2 - INGREDIENTS

CAS REG #	NAME	PEL/TLV, SOURCE
74-98-6	Propane	1000 ppm, OSHA
106-97-8	Butane	800 ppm, ACGIH
67-63-0	* Isopropyl Alcohol The percentage of this ingredient in product is 30-60%	400 ppm, OSHA
67-64-1	* Acetone The percentage of this ingredient in product is 20-40%	1000 ppm, OSHA 750 ppm, ACGIH
71-55-6	* 1,1,1-Trichloroethane The percentage of this ingredient in product is less than 20%	350 ppm, OSHA
65997-13-9	Glycerin ester of hydrogenated resin	None est.
Unknown	Tincture of Benzoin	None est.

* NOTE: This chemical is subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

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SECTION 3 - PHYSICAL DATA :

Boiling Range: -44 to over 160°F.
Pressure in can at 70°F: Approx. 50 psig
Vapor Density (Air = 1): Greater than 1.0
Solubility in water: Slight
Specific Gravity (Water = 1) of product: Less than 1.0
Percent volatile by weight: approx. 89 %
Evaporation Rate (Butyl Acetate = 1): Greater than 1
Appearance and odor: Clear liquid, characteristic odor.

SECTION 4 - FIRE AND EXPLOSION HAZARDS :

Flammability category: Extremely Flammable
(Reference - Consumer Product Commission, flame projection test for aerosol products, per 16 CFR 1500.45)
Flash Point, method: -156°F, estimated
Flammable Limits: Estimated 1.9% LEL, 9.5% UEL
Extinguishing media: Foam, dry chemical, carbon dioxide.

Unusual fire and explosion hazards: Avoid possible bursting of aerosol can. Do not store where temperature may exceed 120°F. Do not puncture or incinerate.

Special fire fighting procedures: Avoid possible accumulations of vapors at floor level, as vapor is heavier than air. Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

SECTION 5 - HEALTH HAZARD DATA :

Suggested exposure guideline: 350 ppm
Primary route of exposure: Inhalation, skin contact

Effects of overexposure - inhalation: Dizziness, nausea, headaches, and loss of consciousness.

Effects of overexposure - skin contact: Irritation upon prolonged contact. Defatting of skin possible with prolonged contact.

Effects of overexposure - eye contact: Irritation.

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HEALTH HAZARD DATA (continued)

Emergency and first aid procedures - inhalation: Remove to fresh air. Artificial respiration, get medical attention.

Emergency and first aid procedures - skin contact: Flush area well with water. Remove and wash any clothing soaked with product.

Emergency and first aid procedures - eye contact: Flush eyes well with running water for 15 minutes.

Emergency and first aid procedures - ingestion: Call physician or poison control center immediately. Proper treatment is dependent on condition of patient and amount ingested.

This product contains no known or potential carcinogens as listed per NTP, IARC, or OSHA (29 CFR 1910.1200(D)#4).

Additional note to Physician: This product contains a chlorinated solvent. Never administer adrenalin following overexposure. Increased sensitivity of the heart to adrenalin may be caused by overexposure to solvent.

SECTION 6 - REACTIVITY DATA :

Stability: Stable

Conditions to avoid: Heat, sparks, flames, strong oxidizers

Hazardous polymerization: Will not occur

Hazardous decomposition products: Carbon monoxide, other toxic gases possible if thermally decomposed.

SECTION 7 - SPILL OR LEAK PROCEDURES :

Steps to be taken in case material is released or spilled:
Ventilate area well. Avoid any sources of ignition for flammable liquid or vapor. Soak up on suitable absorbent material.

Waste disposal method: Conventional solvent waste receptacle. Dispose of in accordance with all local, state and federal regulations. Avoid contamination of groundwater.

SECTION 8 - SPECIAL PROTECTION INFORMATION :

Respiration protection: If TLV is exceeded wear NIOSH-approved self-contained breathing device or respirator.

Ventilation: Must be adequate to maintain vapors at less than 350 ppm, particularly at floor level as vapors are heavier than air.

Protective gloves: Butyl rubber or Polyvinyl Alcohol for prolonged contact.

Eye protection: Safety glasses or goggles recommended.

SECTION 9 - HANDLING AND STORAGE PRECAUTIONS :

Precautions to be taken in handling and storage: Do not store where temperature may exceed 120°F. Do not store near heat, fire, flame, or sparks.

SECTION 10 - SPECIAL PRECAUTIONS :

Precautions for usage: Do not use near heat, fire, flame or sparks. Avoid excessive breathing of vapor. Do not spray in direction of body. Use only in accordance with directions.

Notice: This data represents typical values, not product specifications. No guarantee of accuracy or completeness is made. No responsibility is assumed for any kind of loss or damages arising from use of this data.