

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Tuffner Quick Drying Spray

**Other Means of Identification** 170210, 170211

Contains Heptane, L.P.G. (liquified petroleum gas), Acetone, Isopropyl Alcohol

**Recommended Use** Adhesives

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

Mueller Sports Medicine, Inc.  
One Quench Drive  
Prairie du Sac, WI 53578

#### Emergency Telephone Number

**Company Phone Number** Phone: (608) 643-8530 or 1-800-356-9522  
Fax: (608) 643-2568 or 1-800-852-4334

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

*Regulation (EC) No 1272/2008*

Aspiration toxicity	Category 1 - (H304)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Specific target organ toxicity — single exposure	Category 3 - (H336)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable aerosols	Category 1 - (H222)
Gases under pressure	Compressed gas - (H280)

### 2.2. Label Elements

#### Product Identifier

Contains Heptane, L.P.G. (liquified petroleum gas), Acetone, Isopropyl Alcohol

Physical hazards



**Signal Word**

Danger

**Hazard Statements**

H304 - May be fatal if swallowed and enters airways  
 H315 - Causes skin irritation  
 H319 - Causes serious eye irritation  
 H336 - May cause drowsiness or dizziness  
 H411 - Toxic to aquatic life with long lasting effects  
 H222 - Extremely flammable aerosol  
 H280 - Contains gas under pressure; may explode if heated

**Precautionary Statements - EU (§28, 1272/2008)**

P264 - Wash face, hands and any exposed skin thoroughly after handling  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection  
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
 P271 - Use only outdoors or in a well-ventilated area  
 P273 - Avoid release to the environment  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 P211 - Do not spray on an open flame or other ignition source  
 P251 - Pressurized container: Do not pierce or burn, even after use  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 P331 - Do NOT induce vomiting  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
 P332 + P313 - If skin irritation occurs: Get medical advice/attention  
 P362 - Take off contaminated clothing and wash before reuse  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P337 + P313 - If eye irritation persists: Get medical advice/attention  
 P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 P312 - Call a POISON CENTER or doctor if you feel unwell  
 P391 - Collect spillage  
 P405 - Store locked up  
 P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
 P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
 P501 - Dispose of contents/ container to an approved waste disposal plant

**Other Hazards**

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.2 MIXTURES**

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
L.P.G. (liquefied petroleum gas)	Present	68476-85-7	35-40	Muta. 1B (H340) Carc. 1A (H350) Flam. Gas 1 (H220) Press. Gas	Not determined
Acetone	Present	67-64-1	20-30	(EUH066) Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	Not determined
Heptane	Present	142-82-5	15-20	Skin Irrit. 2 (H315) STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 2 (H225)	Not determined
Isopropyl Alcohol	Present	67-63-0	5-15	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225)	Not determined

## 4. FIRST AID MEASURES

### First Aid Measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.
<b>Skin Contact</b>	Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.
<b>Ingestion</b>	Immediately call a poison center or doctor/physician. Do NOT induce vomiting.

### Most Important Symptoms and Effects

<b>Symptoms</b>	May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.
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**Indication of any Immediate Medical Attention and Special Treatment Needed** If seeking medical attention, provide SDS document to physician. Treat symptomatically.

## 5. FIREFIGHTING MEASURES

### Suitable Extinguishing Media

Use water, dry chemical foam, carbon dioxide, or alcohol-resistant foam.

### Unsuitable Extinguishing Media

Not determined.

### Special Hazards Arising from the Substance or Mixture

Extremely flammable aerosol. Contains gas under pressure; may explode if heated.

### Protective Equipment and Precautions for Firefighters

Wear protective eyewear, gloves and clothing. Avoid inhaling gases, fumes, dust, mist, vapor and aerosols. Avoid contact with skin, eyes and clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

<b>Personal Precautions</b>	Use personal protective equipment as required. Ensure adequate ventilation.
<b>Environmental Precautions</b>	Should not be released into environment. Prevent from reaching drains, sewer and waterways.
<b>For Emergency Responders</b>	Use personal protection recommended in Section 8.

**Methods and Material for Containment and Clean Up:** Wear protective eyewear, gloves and clothing. Prevent further leakage or spillage if safe to do so. Keep in suitable, closed containers for disposal. Refer to Section 13.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

#### **Advice on Safe Handling**

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Keep away from heat/open flames. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

#### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

### Conditions for Safe Storage, Including any Incompatibilities

#### **Storage Conditions**

Store locked up. Keep container tightly closed. Keep cool. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

**Incompatible Materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

<b>Chemical Name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
LP Gas (Propane)	100 ppm	1000 ppm	2100 ppm
Acetone	500 ppm	1000 ppm	2500 ppm
Heptane	400 ppm	500 ppm as STEL	750 ppm
Isopropyl Alcohol	200 ppm	400 ppm	12000 ppm

Exposure limits sourced from National Institute for Occupational Safety and Health (NIOSH) Pocket Guide to Chemical Hazards.

**Appropriate Engineering Controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits. Eyewash station availability.

**Individual Protection Measures-Personal Protective Equipment**

**Eye/Face Protection** Rinse thoroughly with plenty of water for at least 15 minutes. Seek medical attention if irritation persists. Safety goggles/glasses recommended.

**Skin and Body Protection** Wash hands and exposed skin with soap and plenty of water. Seek medical attention if persists. Remove to fresh air.

**Respiratory Protection** Avoid breathing dust/fume/gas/mist/vapors/spray. NIOSH approved self-contained breathing device or respirator if TLV is exceeded.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on Basic Physical and Chemical Properties**

<b>Physical state</b>	Aerosol	<b>Odor</b>	Not determined
<b>Appearance</b>	Not determined	<b>Odor Threshold</b>	Not determined
<b>Colour</b>	Not determined		

<b><u>Property</u></b>	<b><u>Values</u></b>
pH	Not determined
Melting point / freezing point	Not determined
Boiling point / boiling range	Not determined
Flash point	Not determined
Evaporation Rate	Not determined
Flammability (Solid, Gas)	Not determined
Flammability Limit in Air	Not determined

<u>Property</u>	<u>Values</u>
Upper flammability or explosive limits	Not determined
Lower flammability or explosive limits	Not determined
Vapor Pressure	Not determined
Relative Density	Not determined
Partition Coefficient	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

## Section 10: STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children.

**Incompatible Materials** None known based on information supplied.

### Hazardous Decomposition Products

None under normal use conditions.

## Section 11: TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes. Seek medical attention if conditions persist.
<b>Skin Contact</b>	Wash hands and exposed skin with soap and plenty of water. Seek medical attention if irritation persists. Remove to fresh air.
<b>Inhalation</b>	Move exposed to fresh air. Give artificial respiration if necessary. Get medical attention if symptoms persists.
<b>Ingestion</b>	Rinse mouth thoroughly. Seek medical attention if irritation persists.

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone	= 5800 mg/kg ( Rat )	> 15700 mg/kg ( Rabbit )	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
Heptane	>2000 mg/kg (Rat)	= 3000 mg/kg ( Rabbit )	= 103 g/m <sup>3</sup> ( Rat ) 4 h
Isopropyl Alcohol	= 1870 mg/kg ( Rat )	= 4059 mg/kg ( Rabbit )	= 72600 mg/m <sup>3</sup> ( Rat ) 4 h
Partially Hydrogenated Rosin	> 31500 mg/kg ( Rat )		

<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Sensitisation</b>	Not classified.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Chemical name	European Union
L.P.G. (liquified petroleum gas)	Carc. 1A

<b>Reproductive toxicity</b>	Not classified.
<b>STOT - single exposure</b>	May cause drowsiness or dizziness.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity** Toxic to aquatic life with lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Acetone		8300: 96 h Lepomis macrochirus mg/L LC50 4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
Heptane		375.0: 96 h Cichlid fish mg/L LC50	10: 24 h Daphnia magna mg/L EC50
Isopropyl Alcohol	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 1400000: 96 h Lepomis macrochirus µg/L LC50 11130: 96 h Pimephales promelas mg/L LC50 static	13299: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability** Not determined

**12.3. Bioaccumulative Potential**

Chemical name	Partition coefficient
L.P.G. (liquified petroleum gas)	<=2.8
Acetone	-0.24
Heptane	4.66
Isopropyl Alcohol	0.05

**12.4. Mobility in Soil** Not determined.

**Results of PBT and vPvB Assessment** PBT/vPvB assessment not available as chemical safety assessment not required/ conducted.

**Other Adverse Effects** Not determined.

## Section 13: DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Waste from residues/unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

## Section 14: TRANSPORT INFORMATION

**DOT**  
**UN Number** UN1950  
**Proper Shipping Name** Aerosols  
**Transport hazard class** 2.1

**IATA**  
**UN Number** UN1950  
**Proper Shipping Name** Aerosols  
**Transport hazard class** 2.1

**IMDG**  
**UN number** UN1950  
**Proper Shipping Name** Aerosols  
**Transport hazard class** 2.1

<b>Section 15: REGULATORY INFORMATION</b>
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**International Inventories**

Component	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AICS	KECL
L.P.G. (liquified petroleum gas) 68476-85-7 ( 35-40 )	X	X	X	X	X	X	X	X
Acetone 67-64-1 ( 20-30 )	X	X	X	X	X	X	X	X
Heptane 142-82-5 ( 15-20 )	X	X	X	X	X	X	X	X
Isopropyl Alcohol 67-63-0 ( 5-15 )	X	X	X	X	X	X	X	X
Partially Hydrogenated Rosin 65997-06-0 ( 5-10 )	X	X	X	X	X	X	X	X

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances

**US Federal Regulations****CERCLA**

This material as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any of the chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**Section 16: OTHER INFORMATION****Full Text of H-Statements**

H220 - Extremely flammable gas  
H225 - Highly flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H340 - May cause genetic defects  
H350 - May cause cancer  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet