



**Product Name:** FT-10 Fuel Treatment

**Revision No.:** 2

**Issue Date:** 2-15-2008

# Material Safety Data Sheet

## Section 1: PRODUCT AND COMPANY INFORMATION

**Product Name:** FT-10 Fuel Treatment

**Intended Use(s):** Gasoline and diesel fuel additive

**Company:** Muscle Products Corp.

752 Kilgore Road

Jackson Center, PA 16133 U.S.A.

**Company Telephone Number:** 1-800-227-7049 U.S. & Canada

1-814-786-0166 International

**Company Web Site:** www.mpclubricants.com

**24-Hour Emergency Telephone:** 1-800-535-5053 Infotrac – U.S. & Canada

1-352-323-3500 Infotrac – International

## Section 2: HAZARDS IDENTIFICATION

### Emergency Overview

**Appearance and Odor:** Light green liquid. Alcohol-type odor.

**Health Hazards:** WARNING! Causes eye irritation. Vapors may cause nose and throat irritation, and headache, drowsiness or other effects to the central nervous system. Aspiration hazard if swallowed - can enter lungs and cause damage. May cause skin irritation.

**Safety Hazards:** WARNING! Flammable liquid and vapor. Vapor is heavier than air and may spread long distances along the ground and ignite. Electrostatic discharges may be generated during pumping.

**Potential Health Hazards:** See Section 11 for more information.

**Likely Routes of Exposure:** Eye, skin and inhalation.

**Inhalation:** Inhalation of vapors may cause nose and throat irritation. Other symptoms may include drowsiness, dizziness, and headache. Other signs of central nervous system depression may include confusion, lack of coordination and/or nausea.

**Ingestion:** Swallowing can cause diarrhea, nausea, vomiting, abdominal pain, or labored breathing. Vomiting may cause aspiration into the lungs with the risk of chemical pneumonitis.

**Skin Contact:** Not normally irritating. Repeated or prolonged exposure may cause defatting of the skin, resulting in dryness, redness, cracking and/or scaling (dermatitis).

**Eye Contact:** Causes eye irritation, resulting in redness, burning, swelling and/or blurred vision. May cause corneal inflammation.

### Medical Conditions

**Aggravated by Exposure:** Pre-existing eye, respiratory or skin disorders may be aggravated by exposure.

**Target Organs:** Prolonged or repeated contact with high concentrations may effect the central nervous system, respiratory system and skin.

**Other Hazards:** None.

**Potential Environmental Effects:** See Section 12 for more information.

The components of this product are not considered to be toxic to aquatic or terrestrial life

### Other Information:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

#### OSHA Hazardous Components

Component	CAS No.	% by Wt.	Carcinogen
Isopropyl alcohol	67-63-0	60 - 69%	No
Petroleum hydrocarbons	8008-20-6	20 - 29%	No
Petroleum naphtha	Mixture	1 - 4.9%	No
MT-10 additive (hydrocarbon mixture)	None*	> 1%*	No

**Additional Information:** \*The MT-10 Metal Treatment additive (hydrocarbon mixture) is a trade secret of MPC. This component contains no carcinogens, mutagens or toxic substances as listed by OSHA, IARC or NTP..

### Section 4: FIRST AID MEASURES

- Eye Contact:** Immediately flush with water for at least 15 minutes while holding eyelids open. Remove contact lenses if worn. Get medical attention immediately if irritation persists.
- Skin Contact:** Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Call a physician if irritation develops and persists. Wash clothing and clean shoes before reuse.
- Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- Ingestion:** Do NOT induce vomiting. If vomiting occurs have person lean forward with head below hips to prevent aspiration into the lungs. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Note to Physicians:** May cause central nervous system depression.

**Additional Advice:** None.

### Section 5: FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Use water fog, dry chemical, carbon dioxide or alcohol-resistant foam. Liquid may float and re-ignite on the surface of water. Sand or earth may be used for small fires.

**Unsuitable Extinguishing Media:**

Water except as fog.

**Products of Combustion:**

Carbon monoxide if incomplete combustion occurs.

**Firefighter Protection:**

Wear full protective clothing and self-contained breathing apparatus. Vapor is heavier than air, spreads along the ground, and distant ignition is possible. Vapors can accumulate to form explosive concentrations. Use waterspray to disperse vapors and keep adjacent containers cool.

**Additional Advice:**

See Section 9 for flammable properties.

### Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Eliminate all ignition sources. Evacuate personnel to safe area. Use appropriate personal protective equipment (see Section 8). Take precautionary measures against static electricity..

**Environmental Precautions:** Contain spill to prevent environmental contamination. Keep from entering drains, sewers, waterways or soil.

**Methods for Containment:** Stop the spill or leak if possible without personal risk. Absorb with a non-combustible material (sand, earth, diatomaceous earth, vermiculite). Use waterspray to disperse vapors if necessary.

**Methods for Clean-Up:** Use non-sparking tools or explosion-proof equipment. Bond and ground electrical equipment. Vacuum or sweep material. Place waste in a container, seal, and dispose of safely.

**Other Information:** Observe all relevant federal, state and/or local regulations.

**Section 7: HANDLING AND STORAGE**

**Handling:** Keep away from heat, sparks and flame. Use grounding or bonding connection when transferring this material to prevent static discharge, fire or explosion. Use spark-proof tools and explosion-proof equipment. Do not get into eyes. Do not breath vapor and mist. Avoid prolonged contact with skin. Use only with adequate ventilation. Wash hands thoroughly after handling.

**Storage:** Store in well ventilated area. Keep container closed when not in use.

**Additional Advice:** Product residue remains in empty containers. Observe all label precautions until container is cleaned, reconditioned or destroyed. Residual vapors may explode on ignition. Do NOT puncture, cut, drill, grind or weld on or near containers.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Limits**

Material	OSHA-PEL	ACGIH-TLV
Isopropyl alcohol	TWA: 400 ppm (980 mg/m3)	TWA: 400 ppm (980 mg/m3)
Isopropyl alcohol	STEL: 500 ppm (1225 mg/m3)	STEL: 500 ppm (1230 mg/m3)
Petroleum hydrocarbons	TWA: 500 ppm (2900 mg/m3)	TWA: 100 ppm (525 mg/m3)
Petroleum naptha - limits provided by supplier	TWA: 17 ppm (100 mg/m3)	

**Engineering Controls:** Use mechanical explosion-proof exhaust ventilation to keep airborne concentrations below exposure limits.

**Eye / Face Protection:** Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

**Skin Protection:** Wear neoprene-type gloves. Other skin or body protection is normally not required except in emergency or spill conditions. Protective clothing, shoes or boots should be chemical resistant to this material (i.e. neoprene).

**Respiratory Protection:** Normally not required except in emergencies or circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a NIOSH-approved positive-pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known, or any other circumstance where air-purifying respirators may not provide adequate protection.

**General Hygiene:** Wash thoroughly after handling and before eating or drinking.

**Other Information:** Personal protective equipment (PPE) should meet recommended national standards.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Light green liquid.

**Odor:** Alcohol-type odor.

**Odor Threshold:** Not established

**Viscosity:** 2.29 cSt @ 40 deg. C (104 deg. F)

**pH:** Not established

**Freezing Point:** Not established

**Melting Point:** Not applicable

**Boiling Point:** 176 deg. F (80 deg. C)

**Flash Point:** 45 deg. F (7.2 deg. C) closed cup

<b>Flammable Limits:</b>	<b>Upper:</b> 12%
	<b>Lower:</b> 2%
<b>Autoignition Temperature:</b>	~ 750 deg. F (399 deg. C)
<b>Evaporation Rate:</b>	~ 1.5 (nBuAc = 1)
<b>Vapor Pressure:</b>	1.125 PSI
<b>Vapor Density:</b>	~ 2 @ 68 deg. F (20 deg. C) air = 1
<b>Specific Gravity:</b>	0.8012 g/cm <sup>3</sup> @ 60 deg. F (15.5 deg. C)
<b>Solubility in Water:</b>	Partially soluble; % not established
<b>VOC Content:</b>	Not established
<b>Other Information:</b>	None

## Section 10: STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	Keep away from heat, sparks and flame.
<b>Incompatible Materials:</b>	Strong oxidizers and acids.
<b>Hazardous Decomposition Byproducts:</b>	Carbon dioxide, carbon monoxide, ketones and possibly other organic compounds.
<b>Possibility of Hazardous Reactions:</b>	Will not occur.

## Section 11: TOXICOLOGICAL INFORMATION

### ACUTE EFFECTS

<b>Oral:</b>	LD50 > 2,000 mg/kg (rat), low toxicity
<b>Dermal:</b>	LD50 > 2,000 mg/kg (rabbit), low toxicity; prolonged or repeated skin contact may cause defatting resulting in drying, redness or cracking (dermatitis).
<b>Inhalation:</b>	4 hours LC50 > 5,000 mg/l (rat), low toxicity; high concentrations may cause central nervous system depression resulting in headache, lack of coordination, dizziness and nausea. Continued inhalation of high concentrations may result in unconsciousness and/or death.
<b>Eyes:</b>	Irritating to eyes.
<b>Sensitization:</b>	Not expected to cause skin or respiratory sensitization.
<b>Other Information:</b>	This information is provided based on available component data.

### CHRONIC EFFECTS

<b>Carcinogenicity:</b>	This product contains no carcinogenic substances.
<b>Mutagenicity:</b>	This product contains no mutagenic substances.
<b>Reproductive Effects:</b>	Component data reports no reproductive effects.
<b>Developmental Effects:</b>	Component data reports no developmental effects.
<b>Other Information:</b>	This information is provided based on available component data.

## Section 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Low toxicity to aquatic organisms, such as bacteria, algae, protozoa and fish.
<b>Fish:</b>	LC/EC/IC50 > 100 mg/l
<b>Aquatic Invertebrates:</b>	LC/EC/IC50 > 1,000 mg/l
<b>Algae:</b>	LC/EC/IC50 > 1,000 mg/l
<b>Micro-organisms:</b>	LC/EC/IC50 > 1,000 mg/l
<b>Persistence / Degradability:</b>	Not biodegradable.
<b>Bioaccumulation:</b>	No significant bioaccumulation is expected.
<b>Mobility:</b>	If product enters the soil, it is expected to be highly mobile and may contaminate groundwater.
<b>Additional Information:</b>	This information is provided based on available component data.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal:** This product has the hazardous waste characteristic of ignitability under RCRA. Re-evaluation of the waste may be required by the user at the time of disposal as product uses, transformations, mixtures, contamination and spillage may change its characteristics. Dispose of in accordance with federal, state and local regulations.

**Empty Containers:** Product residue, including vapor, remains in empty containers. Residual vapors may explode on ignition. Do NOT puncture, cut, drill, grind or weld on or near containers. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner or properly disposed.

**Additional Considerations:** Observe all federal, state and local regulations.

**Section 14: TRANSPORT INFORMATION**

**U.S. DOT (GROUND)**

**Hazardous Material:** Yes                      **Class / Division:** 3  
**Identification Number:** UN 1993              **Packing Group:** II  
**Proper Shipping Name:** Flammable Liquid, n.o.s. (isopropanol)

**CANADIAN TDG (GROUND)**

**Hazardous Material:** See U.S. DOT              **Class / Division:**  
**Identification Number:**                      **Packing Group:**  
**Proper Shipping Name:**

**IATA (AIR)**

**Dangerous Good:** Yes                      **Class / Division:**  
**Identification Number:** See U.S. DOT              **Packing Group:**  
**Proper Shipping Name:**

**IMDG (WATER)**

**Dangerous Good:** Yes                      **Class / Division:**  
**Identification Number:** See U.S. DOT              **Packing Group:**  
**Proper Shipping Name:**                      **Marine Pollutant:** No

**Section 15: REGULATORY INFORMATION**

**TSCA Inventory Listing:** The components of this product are on the U.S. TSCA Inventory or are exempt.

**CERCLA Hazardous Substances (40 CFR 302):** This product contains no CERCLA hazardous substances.

**SARA 302 Extremely Hazardous Substances (40 CFR 355):** This product contains no SARA extremely hazardous substances.

**SARA 311/312 Hazardous Chemical Inventory Reporting (40 CFR 370):** This product is subject to inventory reporting if present above the minimum threshold level of 10,000 lbs. (4,540 kg).

**SARA Hazard Classifications:**

**Immediate (acute) health hazard:** Yes  
**Delayed (chronic) health hazard:** No  
**Fire hazard:** Yes  
**Sudden pressure release hazard:** No  
**Reactivity hazard:** No

**SARA 313 Toxic Chemical Release Reporting (40 CFR 372):** This product contains no SARA toxic substances.

**Additional Information:** None

**Section 16: OTHER INFORMATION**

**HMIS RATING CLASSIFICATION**

**Health:** 1                      **Physical Hazard:** 0  
**Flammability:** 3                      **Personal Protection:** B

**NFPA HAZARD IDENTIFICATION**

<b>Health hazard (blue):</b>	1	<b>Instability hazard (yellow):</b>	0
<b>Flammability hazard (red):</b>	3	<b>Special hazard (white):</b>	--

**MSDS Effective Date:** February 15, 2008

**Revision Number:** 2

**Revision Indicator:** This MSDS has been revised as follows:

The content and format has been revised for compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1.

**Prepared by / position:** Amy Dent, Director of Quality & Environmental Management

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