



MATERIAL SAFETY DATA SHEET

Wynn's Spit Fire[®] Octane Boost

WYNN'S
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PRODUCT IDENTIFICATION

PRODUCT NAME	EFFECTIVE DATE	PRODUCT CODE
Wynn's Spit Fire [®] Octane Boost	08-25-05	43804
CHEMICAL NAME	CAS NUMBER	
N/A	N/A	

HAZARDOUS INGREDIENTS

COMMON NAME	CHEMICAL NAME	CAS NO.	%	OSHA PEL	ACGIH TLV-TWA
Petroleum Hydrocarbon	Petroleum Distillate	68334-30-5	90-100	5 mg/m ³ as mist	5 mg/m ³ as mist
Aromatic Solvent	Light Aromatic Solvent Naphtha	64742-95-6	1-10	None Established	None Established
MMT	Methylcyclopentadienyl manganese tricarbonyl	12108-13-3	1-5	5 mg/m ³ (ceiling as Mn)	0.2 mg/m ³ , skin (as Mn)

Contains no other ingredients now known to be hazardous as defined by OSHA 29CFR 1910.1000(z) and 29CFR 1910.1200.

PHYSICAL DATA

These data are approximate or typical values and should not be used as precise specifications. Unless otherwise noted values are at 20°C(68°F) and 760 mmHg (1 atm).

Boiling Point/Range	250-405°F (121-207°C)	Freeze Point	N/D
Specific Gravity (H₂O=1) @ 15.6°C	0.84	Vapor Pressure (mm Hg)	<1
Vapor Density (Air =1)	>1	Solubility in Water (%)	Negligible
% Volatiles by Volume	90-100	Evaporation Rate (Butyl Acetate = 1)	<1
pH (as is)	N/A	pH (dilute) @ %	N/A
Appearance	Clear Amber Liquid	Odor	Petroleum Distillate

N/D - Not Determined

N/A - Not Applicable

< = Less Than

> = Greater Than

FIRE AND EXPLOSION HAZARD DATA

Flash Point 145°F(63°C) **Method** Pensky - Martens Closed Cup ASTM D-93

Flammable or Explosive Limits (Approximate percent by volume in air)

Lower (LEL) N/D Upper (UEL) N/D

Hazard Class Identification

	Flammability 2		Hazard Code 0 - Least (insignificant)
Health 2		Reactivity 0	1 - Slight
	Other --		2 - Moderate
			3 - High
			4 - Extreme

Extinguishing Media

Dry chemicals, carbon dioxide, water spray, foam.

Special Fire Fighting Procedures

Use water only to cool containers. Fire fighters wear self contained breathing apparatus when hydrocarbons are involved in fire.

Unusual Fire and Explosion Hazards

Containers exposed to heat from fire should be cooled with water to prevent vapor pressure build up.

REACTIVITY DATA

Stability

Stable.

Conditions to Avoid

Sources of heat or flame. Avoid exposure to UV light, which can cause MMT to decompose.

Materials to Avoid

Strong oxidizing agents.

Hazardous Decomposition or Combustion Products

Thermal decomposition may produce oxides of carbon, manganese and sulfur. Exposure to UV light may cause MMT to decompose.

Hazardous Polymerization (conditions)

Will not occur.

HEALTH HAZARDS/ROUTES OF ENTRY

Signs, Symptoms and Effects of Overexposure

- Ingestion** (swallowing) Ingestion of this material may cause vomiting. Aspiration into the lungs during ingestion or vomiting can result in severe pulmonary damage..
- Skin Contact** Single contact, moderate irritation to skin. May be harmful if absorbed through skin. Prolonged or repeated contact can result in defatting and drying of skin.
- Eye Contact** May cause slight irritation to eyes.
- Inhalation** (breathing) Inhalation of vapors or mist may cause mild irritation to the upper respiratory tract. High level exposure may result in central nervous system depression.

Other Effects of Prolonged/Repeated Overexposure

This material has not been identified as a carcinogen by NTP, IARC or OSHA. Contains 1-5% Methylcyclopentadienyl manganese tricarbonyl (MMT), which is known to be toxic by inhalation, ingestion and skin absorption. MMT may effect the lungs, kidney, liver, brain and central nervous system. Inhalation may cause headaches, dizziness and nausea. Kidney damage may result following aspiration pneumonities.

EMERGENCY AND FIRST AID PROCEDURES

- Ingestion** (swallowing) DO NOT induce vomiting. If vomiting occurs keep head below hips to help keep liquid from entering the lungs. Call for medical attention.
- Skin Contact** Remove contaminated clothes. Wash affected area with soap and water. If irritation persists, call for medical help.
- Eye Contact** Flush eyes with water for 15 minutes. If irritation persists, call for medical help.
- Inhalation** (breathing) Remove person to fresh air to avoid further inhalation.
- Comments** NOTE TO PHYSICIANS: Aspiration into the lungs during ingestion or vomiting can result in severe pulmonary damage.

SPILL OR RELEASE CONTROL PROCEDURES

Steps to be taken in case material is released or spilled

Isolate area and restrict entry. Combustible liquid. Eliminate all sources of ignition. Use absorbent, sand or clay. Shovel into containers. Remove out of doors. Prevent liquid from entering sewers and water ways.

Waste Disposal Method

Dispose of in accordance with Federal, State and Local regulations.

EPA Reportable Quantity (RQ), 40CFR302 (CERCLA104)

N/A

EPA Toxic Chemical Release Reporting, 40CFR372(SARA313)

Chemical	CAS NO.	% in Product
Manganese Compound	N/A	1-5

HANDLING AND STORAGE

Handling and Storage Precautions

CAUTION: Contains petroleum distillate and methylcyclopentadienyl manganese tricarbonyl. Avoid skin and eye contact. Combustible. Keep away from heat and sparks. Do not breathe vapors. Provide adequate ventilation. Keep containers closed. DO NOT store opened containers. Use entire contents.

Other Precautions

KEEP OUT OF REACH OF CHILDREN.

PERSONAL PROTECTION - EXPOSURE CONTROL

Ventilation

Provide adequate general or local ventilation to maintain concentrations below TLV/PEL limits.

Respiratory Protection

None normally required. If vapors exceed TLV/PEL values, use a NIOSH approved respirator.

Eye Protection

Safety glasses.

Protective Gloves

Chemical resistant gloves.

Other Protective Clothing or Equipment

Chemical resistant apron.

Work/Hygienic Practices

Personal cleanliness is always appropriate, frequent washing minimizes chances of inadvertent exposure.

TRANSPORTATION INFORMATION

Department of Transportation (DOT) Classification

	Flammable Liquid		Corrosive
	Flammable Solid		Non-Flammable Gas
	Flammable Gas		Not Hazardous by DOT
XXX	Combustible Liquid		Other:

DOT Proper Shipping Name

N/A (Not DOT regulated in containers with a capacity less than 119 gallons.)

DOT ID Number

N/A

PACKING GROUP

N/A

DOCUMENTATION

Product Code No.: 43804
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Issue Date: 08-25-05
Prior Date: 06-17-04

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