



**Section 1 • Chemical Product and Company Identification**

Product Name: **Ecotane® 3062** (Product Code: E62)  
 Product Description: Octane booster and emissions reducer for unleaded gasoline  
 Synonyms: methylcyclopentadienyl manganese tricarbonyl, RMC 3000

Company:  
 T2 Laboratories Inc  
 3043 Faye Road  
 Jacksonville, FL 32226 USA  
 Phone 904-632-2172  
 Fax 904-632-2182  
 Email info@t2labs.com  
 Web www.t2labs.com

**Emergency Telephone Numbers:**  
**24 hrs Chem-Tel 800-255-3924**  
 24 hrs 813-248-0585 (collect)  
 T2 Labs Main 904-632-2172  
 T2 Labs Mobile 904-631-1715  
 Local Emergency 904-396-3258

**Section 2 • Composition and Information on Hazardous Ingredients**

Component	CAS No.	Wt%	OSHA HCS Hazards	EC Phrases
Methylcyclopentadienyl Manganese Tricarbonyl	12108-13-3	60-100	SARA 313, SARA 302, NJ RTK, WHMIS-CN1, PA.RTK, CNPRI. Toxic by inhalation, ingestion, and skin absorption. 0.2mg/m3 PEL as Mn (OSHA)	R25, R20, R50/53, R65, R67, S23, S36/37/39, S45, S61
Petroleum Distillates	Mixture	30-60	Flammable liquids.	R10, S16, S7/9

**Section 3 • Hazards Identification**

Emergency Overview:

Appearance: Orange Liquid  
 Odor: Characteristic petrochemical odor.  
 Risk Summary: Toxic by ingestion. Avoid contact or breathing vapors. Irritating to eyes and skin. This substance is combustible and will sustain combustion at temperatures above its flashpoint. Avoid heat, sparks and open flame.

Potential Health Effects:

Inhalation: Vapors cause respiratory tract irritation. Avoid inhalation.  
 Eyes: Irritating to eyes, avoid eye contact.  
 Skin: Irritating to skin, avoid skin contact.  
 Ingestion: Toxic by ingestion. Avoid swallowing.  
 Chronic: Chronic overexposure can cause lung damage, CNS stimulation, and cardiac stimulation.

Environmental Hazards:

Toxic to aquatic organisms.

**Section 4 • First Aid Measures**

Inhalation: Seek fresh air immediately. If breathing is difficult, get medical attention. If not breathing, give artificial respiration.  
 Eyes: Flush with water for at least 15 minutes. Get medical attention.  
 Skin: In case of contact, immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

Ingestion: Get immediate medical attention. If affected person is conscious, give plenty of water to drink. Drink two large glasses of water. If medical attention is not available within one hour of ingestion, induce vomiting.

#### **Section 5 • Fire Fighting Procedures**

Flash Point: Flashpoint 52°C (125°F) TCC. Vapors can explode and liquids can combust when temperatures reach or exceed the flashpoint.

Extinguishing Media: Carbon dioxide, dry chemical, foam.

Fire Fighting Instructions:  
Use CO<sub>2</sub>, foam or dry chemical. Use water as a spray only to lower temperature.  
Treat as an oil fire.

#### **Section 6 • Accidental Release Measures**

Personal Precautions: See Section 8, Personal Protection.

Environmental Precautions: Do not discharge into surface waters. Toxic to aquatic organisms. See Section 3 (Environmental Hazards) and Section 12 (Ecological Information) for further information.

Containment and Cleanup Techniques:  
Exercise caution as hard floors coated with this material may be slippery.  
Small spills may be absorbed by sand or oil-absorbing materials. Large spills should be collected by pumping into closed containers for recovery or disposal.

#### **Section 7 • Handling and Storage**

Handling: Wear chemical safety glasses, gloves, goggles, and apron. Avoid contact. Avoid inhalation.

Storage: Store in tightly closed metal or glass containers. Do not store in plastic. Avoid heat, sparks, and open flames.

#### **Section 8 • Exposure Controls, Personal Protection**

Engineering Controls: Mechanical ventilation may be necessary at elevated temperatures to control exposure.

Exposure Guidelines: Avoid inhaling vapors.

Respiratory Protection: Respirator with organic vapor cartridge is required.

Skin Protection: Wear chemically resistant rubber gloves and apron (viton, nitrile, and or PVC) to minimize exposure.

Eye Protection: Wear chemical safety glasses, goggles, or face shield to prevent eye contact.

#### **Section 9 • Physical and Chemical Properties**

Appearance: Opaque yellow liquid.

Odor: Characteristic petrochemical odor.

Physical State: Liquid.

pH: Not water soluble (no pH).

Vapor Pressure: 1.6 mmHg.

Vapor Density: Not determined.

Boiling Point: Not determined.

Flashpoint: 52°C (125°F) TCC

Freezing Point: -30°C (-22°F)

Solubility in water: nil.

Specific Gravity: ca. 1.11 @ 20°C

VOC Content: nil.

Molecular Weight: mixture.

Chemical Formula: mixture.

#### **Section 10 • Stability and Reactivity**

Conditions to Avoid: Heat, sparks, and open flames. Exposure to air creates an explosion hazard.

Materials to Avoid: Avoid contact with strong acids, strong bases, and oxidizing agents.

Decomposition Products: Ultimate decomposition products are non-hazardous manganese compounds, CO<sub>2</sub> and water.

#### **Section 11 • Toxicological Information**

Target Organs: Lungs, heart, CNS.

Routes of Entry: Absorbed through skin, Inhalation and Ingestion.

Acute Toxicity: Toxic if swallowed. Irritating to the eyes.

Chronic Toxicity: Chronic overexposure can cause lung damage, CNS stimulation, and cardiac stimulation.

#### **Section 12 • Ecological Information**

Biodegradability: Not determined. Related chemicals are known to be biodegradable.

Aquatic Toxicity: Toxic to aquatic organisms.

Environmental Fate: Not Determined. Related chemicals are known to be non-persistent in the environment.

Bioaccumulation Potential: Not Determined. Related chemicals are known to be non-accumulating in the environment.

#### **Section 13 • Disposal Considerations**

Waste Disposal: Recover free liquid. Absorb residue with sand or clay. Dispose of this material by incineration or recovery at a government-approved disposal facility.

#### **Section 14 • Transport Information**

DOT:

Proper Shipping Name: Flammable liquid, toxic, n.o.s. (petroleum distillates, methylcyclopentadienyl manganese tricarbonyl), 3 (6.1), UN1992, PG III.

Exceptions (drums): None

IMO: Flammable liquid, toxic, n.o.s. (petroleum distillates, methylcyclopentadienyl manganese tricarbonyl), 3 (6.1), UN1992, PG III, MARINE POLLUTANT.

IATA: Flammable liquid, toxic, n.o.s. (petroleum distillates, methylcyclopentadienyl manganese tricarbonyl), 3 (6.1), UN1992, PG III.

#### **Section 15 • Regulatory Information**

TSCA (USA): Listed.

EINECS (EC): Listed

DSL (Canada): Listed.

AICS (Australia): Listed.

MITI (Japan): Listed.

KECL (South Korea): Listed.

#### **Section 16 • Other Information**

Emergency Contact: M-F 8-5pm Eastern US Time 1-904-632-2172  
Toll Free 24 hours US Chem-Tel 1-800-255-3924  
International 24 hours collect Chem-Tel 1-813-248-0585

Hazard Ratings

HMIS: Health = 3 Flammability = 2 Reactivity = 0 Personal Protection = C

NFPA: Health = 2 Flammability = 2 Reactivity = 1

(0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe)

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