



# CYCLO<sup>®</sup> INDUSTRIES, INC. MATERIAL SAFETY DATA SHEET



This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If Cyclo Industries, Inc. considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals.

## SECTION 1 – PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Rally Performance™ Octane Blast, Stock No. 82450

**Product Use:** Increases octane up to 3 octane numbers or 30 points. Stops knock, ping and hesitation.

**Manufactured by:** Cyclo Industries, Inc.  
401 Maplewood Drive, Suite 18, Jupiter, FL 33458  
Telephone: (561) 775-9600

**First Aid Emergency:** (800) 752-7869 or (312) 906-6194

**Shipping Emergency:** (800) 424-9300 or (703) 527-3887 (CHEMTREC)

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

CAS Reg. No.	Material	Percentage	Exposure Limits
Mixture	Kerosene	69 – 79	Not established
Mixture	Aromatic hydrocarbons, predominantly C9-C16	18 – 25	Not established
12108-13-3	MMT (Methylcyclopentylidienyl Manganese Tricarbonyl)	</= 1	5 mg/m <sup>3</sup> as Mn = OSHA PEL 0.2 mg/m <sup>3</sup> TWA Skin = NIOSH REL

## SECTION 3 – HAZARDS IDENTIFICATION

### Effects of Short-Term Acute:

**Skin Contact:** MAY BE ABSORBED. Redness, dryness

**Eye Contact:** Redness

**Inhalation:** One or more: Anesthetic stupor, abdominal pain, dizziness, headache, labored breathing, nausea, metallic taste. Aspiration of even small quantities of liquid into the lungs can cause Chemical Pneumonia, Pulmonary Edema or even death.

**Ingestion:** One or more: Abdominal pain, dizziness, headache, labored breathing, nausea, metallic taste.

**Long-term Exposure:** Possible carcinogen. May cause effects on CNS resulting in tissue lesions.

**SECTION 3 – HAZARDS IDENTIFICATION continued**

**Carcinogenicity:** NTP Carcinogen = No;  
 IARC Monographs = Animal Tumorigen & Mutagen, insufficient evidence in humans.  
 OSHA Regulated = Yes (MMT)

**SECTION 4 – FIRST AID MEASURES****First Aid Procedures:**

**Ingestion:** Rinse mouth. DO NOT induce vomiting. Take to a doctor.  
**Skin Contact:** Remove contaminated clothes. Rinse, and then wash skin with water and soap.  
**Inhalation:** Remove to fresh air. Rest. Artificial respiration if indicated.  
**Eye Contact:** Remove contact lenses if easily removable. Rinse with plenty of water for several minutes. Contact a physician.

**SECTION 5 – FIRE FIGHTING MEASURES**

**Flash Point:** 120°F (49°C)

**Flammable Limits in Air by Volume:** Lower Limit = 0.7% Upper Limit = 5.0%

**Auto Ignition Temp:** Approx. 410°F (210°C)

**Extinguishing Media:** Class B Fire Extinguisher such as Halon, Carbon Dioxide, Foam or Dry Chemical.

**Special Fire Fighting Procedures:** Should be attempted only by those who are adequately trained. Avoid use of solid water streams. Water spray and foam must be applied carefully to avoid frothing. Avoid excessive application. Use water spray to cool exposed surfaces of containers and tanks. SCBA is recommended.

**Unusual Fire and Explosion Hazards:** Flash point is relatively low.

**HMIS Code:** Health = 2 Flammability = 1 Reactivity = 1

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Spill/Leak Procedures:** Shut off source of leak immediately if possible to do so without risk to employees. Keep public away. Eliminate all ignition sources. Advise National Response Center (800-424-8802) if product has entered a watercourse. Advise local and state Emergency Services if appropriate. Contain liquid within sand or soil. Recover and return free liquid to source or appropriate waste containers. Use sand or non-reactive sorbents to clean up residual liquids, then dispose of as flammable waste.

**SECTION 7 – HANDLING AND STORAGE**

**Handling & Storage Procedures:** Separate from strong oxidants. Keep below 120°F (49°C). Prevent build-up of electrostatic charges by properly grounding all drums, tanks and equipment. See product label for additional

information. KEEP OUT OF THE REACH OF CHILDREN.

#### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory Protection:** Wear NIOSH approved respirators with organic vapor cartridges if exposure is high.

**Ventilation:** LOCAL - Required when spraying or using at elevated temperatures.  
MECHANICAL – Use explosion-proof ventilation system.

**Protective Gloves:** Wear chemically resistant gloves, such as Nitrile, Neoprene or PVA

**Skin Protection:** Chemical in mixture can be absorbed through skin, so prevent contact with skin by wearing chemically impervious apron and long sleeves.

**Eye Protection:** Safety glasses with splash guards is recommended.

**Work/Hygienic Practices:** Eye washes and safety showers in the workplace are recommended.

**Other:** DO NOT eat, drink or smoke on the job. Wash hands before breaks and before leaving work.

#### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 150°F (66°C)                      **Specific Gravity (H<sub>2</sub>O=1):** Approximately 0.8

**Vapor Pressure:** 1 – 10 mm Hg @ 100°F                      **Vapor Density (Air=1):** 4.5

**Solubility in Water:** Negligible

**Appearance and Odor:** Clear liquid with petroleum odor.

**Volatile Organic Compound (VOC) (as packaged minus water):**

#### SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Excessive heat and sources of ignition (sparks from welding, equipment, fire, etc.)

**Incompatibility (materials to avoid):** Strong oxidizers, including any DOT Class 5 materials.

**Hazardous Decomposition or Byproducts:** Includes carbon monoxide, aldehydes, aromatics and other hydrocarbons.

**Hazardous Polymerization:** Will not occur.

#### SECTION 11 – TOXICOLOGICAL INFORMATION

**Toxicological Data:**

<u>Chemical Name</u>	<u>LC50</u>
MMT (Methylcyclopentylidienyl Manganese Tricarbonyl)	Inhalation, mouse, 0.059 mg/l/4hrs

### SECTION 12 – ECOLOGICAL INFORMATION

#### Aquatic/Terrestrial Toxicity Environmental Fate

<u>Chemical Name</u>	<u>Aquatic Toxicity</u>
Kerosene	Yes
MMT (Methylcyclopentylidienyl Manganese Tricarbonyl)	Yes

### SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** This is a flammable liquid and also contains components on the EPA Extremely Hazardous Substances List. Dispose of in accordance with local, state and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

### SECTION 14 – TRANSPORT INFORMATION

#### U.S. DOT

**Shipping Description:** Consumer Commodity  
**ID Number:** Not applicable  
**Hazard Class:** ORM-D  
**Packing Group:** Not applicable  
**Label:** Not applicable  
**Placards:** Not applicable

#### IMDG

**Shipping Description:** Flammable Liquids, N.O.S. (Kerosene), Ltd. Qty.  
**ID Number:** UN 1993  
**Hazard Class:** 3  
**Packing Group:** III  
**Label:** Not applicable  
**Markings:** Not applicable  
**Placards:** Not applicable

### SECTION 15 – REGULATORY INFORMATION

**TSCA Inventory:** All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory of chemical substances maintained by the U.S. Environmental Protection Agency.

**SARA Extremely Hazardous Substances** MMT (Methylcyclopentylidienyl Manganese Tricarbonyl)

**SARA Section 313** This product contains the following toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 – Toxic Chemical Release Reporting)

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
Kerosene	Mixture	69 - 79
MMT (Methylcyclopentadienyl Manganese Tricarbonyl)	12108-13-3	<= 1

**SECTION 15 – REGULATORY INFORMATION** continued**CERCLA/Superfund (RQ):**

<u>Chemical Name</u>	<u>Reportable Quantity</u>
MMT (Methylcyclopentadienyl Manganese Tricarbonyl)	1 pound

**California Proposition 65:** This product does not contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

**SECTION 16 – OTHER INFORMATION**

**Document Date:** 1/10/2008

**Supersedes:** 6/18/2004

**Revisions:** Cyclo Industries incorporated. Address changed. Section 14 updated.

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