

**MSDS - Material Safety Data Sheet****Product Name: Smart Blend Synthetics One Advanced Formula Octane Power Booster**

MSDS No.: 17009

**I. Basic Information:****Manufacturer:** RADIATOR SPECIALTY COMPANY**Contact:** Robert Geer**Address:** 600 RADIATOR ROAD**Information Telephone Number:** 704-684--181 1**City, ST Zip:** INDIAN TRAIL, NC 28079**Emergency Contact:** Rocky Mountain Poison and Drug Center**Country:****Emergency Telephone Number:** 303-623-5716**Emergency Restrictions:****Product Name:** Smart Blend Synthetics One Advanced Formula Octane Power Booster**MSDS No.:** 17009**Issue Date:** 02/11/2009**Supersedes Date:** 10/28/2005**II. Hazards Identification:****EMERGENCY OVERVIEW**

Danger: Harmful or fatal if swallowed. Eye and skin irritant. Combustible.

**OSHA Regulatory Status**

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

**Potential Health Effects****Route(s) of Entry:**

Absorption, Inhalation, and Ingestion.

**Health Hazards (Acute and Chronic):**

See signs and symptoms below

**Signs and Symptoms:**

Eye Contact: Irritant. Prolonged contact may cause conjunctivitis.

Skin Contact: Irritant. Defatting of tissue, dermatitis may occur.

Inhalation: Irritant to mucous membranes. Repeated exposure may cause narcosis..

Ingestion: HARMFUL OR FATAL IF SWALLOWED. May cause burns to mouth, throat &amp; stomach.

**Medical Conditions Generally Aggravated by Exposure:**

Non Known

**Other Health Warnings:**

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

**Potential Environmental Effects**

Not Available

**III. Composition/Information on Ingredients:**

Chemical Name	CAS No.	% Range	Trade Secret
Petroleum naphtha	64742-94-5	0.1 - 1.0	
Hydrocarbon Solvent	Proprietary	1.0 - 5.0	
Naphthalene	91-20-3	0.1 - 1.0	
Petroleum distillate, Aliphatic	68476-34-6	60.0 - 100.0	
Petroleum distillate, Aliphatic	68476-34-6	70-100	
Polyether amine	Proprietary	1.0 - 5.0	
Polyether amine	Proprietary	1-10	
Toluene	108-88-3	0.1 - 1.0	
Xylene (mixed isomers)	1330-20-7	0.1 - 1.0	

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### IV. First Aid Measures:

#### Emergency and First Aid Procedures:

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

#### Note to Physicians:

N/E

### V. Fire Fighting Measures:

#### Suitable Extinguishing Media:

Water Fog, Foam, Carbon Dioxide, Dry Chemical

#### Unsuitable Extinguishing Media:

Do not use forced water stream as this could cause the fire to spread.

#### Products of Combustion:

Fire: Normal products of combustion: carbon monoxide, carbon dioxide, and acid

#### Protection of Firefighters:

Wear self-contained positive pressure breathing apparatus and protective clothes. Use shield to protect from rupturing and venting containers. At elevated temperatures containers may vent, rupture or burst, even violently

### VI. Accidental Release Measures:

#### Personal Precautions:

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

#### Environmental Precautions:

Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred. Run off to sewer may create fire or explosion hazard.

#### Methods for Containment:

Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc).

#### Methods for Cleanup:

Using a non-metallic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material.

#### Other Information:

Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

### VII. Handling and Storage:

#### Handling Precautions:

Handling: Use with adequate ventilation and proper protective equipment.

#### Storage Precautions:

Keep container closed tightly when not in use. Combustible. Store in a cool place below 120 F away from acids, ignition sources and oxidizing agents.

### VIII. Exposure Controls/Personal Protection:

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<b>Chemical Name</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits</b>
Petroleum distillate, Aliphatic	N/E	100 ppm	N/E
Polyether amine	N/E	N/E	Not Available
Petroleum distillate, Aliphatic	N/E	100 ppm	N/E
Polyether amine	N/E	N/E	Not Available
Hydrocarbon Solvent	N/E	N/E	Not Available
Xylene (mixed isomers)	100 ppm	100 ppm	Not Available
Naphthalene	10 ppm	10 ppm	Not Available
Petroleum naphtha	N/E	N/E	100 ppm
Toluene	100 PPM	100 PPM	Not Available

#### **Engineering Controls:**

See above Section for applicable exposure limits. Maintain adequate ventilation.

Avoid breathing vapors. In restricted areas, use approved chemical filters designed to remove vapor. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above TLV limit

#### **Personal Protective Equipment:**

For prolonged exposure wear protective safety glasses, gloves, and apron.

### **IX. Physical and Chemical Properties:**

**Boiling Point:** >300 F

**Boiling Range:** Not Available

**Solubility In Water:** Insoluble

**Flash Point:** 140F

**Odor Threshold:** Not Available

**Vapor Density (AIR = 1):** N/D

**pH Range:** N/A

**Decomposition Temp:** Not Available

**Lower Explosive Limit:** N/D

**Specific Gravity (H2O = 1):** 0.87

**Other Information:** N/D

**Melting Point:** N/A

**Freezing Point:** Not Available

**Evaporation Rate (Butyl Acetate = 1):** N/D

**Flash Point Method:** TCC

**Appearance and Odor:** Light yellow--amber liquid with petroleum odor.

**Vapor Pressure (mm Hg.):** N/D

**Partition Coefficient:** Not Available

**Auto-Ignition Temp:** Not Available

**Upper Explosive Limit:** N/D

### **X. Stability and Reactivity:**

#### **Stability:**

Stable

#### **Conditions to Avoid:**

See Incompatible Materials below

#### **Incompatible Materials:**

Oxidizing agents. Open flame, or spark, and acids

#### **Hazardous Decomposition Products:**

Fire: Normal products of combustion: carbon monoxide, carbon dioxide, and acrid smoke.  
Nitrogen and sulfur oxides

#### **Possibility of Hazardous Reactions:**

Will not occur

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#### ***XI. Toxicological Information:***

N/D

#### ***XII. Ecological Information:***

N/D

#### ***XIII. Disposal Considerations:***

DISPOSAL: This container may be recycled in a recycling centers when empty. Before offering for recycling, empty the can or bottle by using the product according to the label. If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations

#### ***XIV. Transport Information:***

**Shipping Name:** Not Available

**DOT Hazard Class:** Not Available

**UN/NA#:** Not Available

**DOT Subsidiary Hazard Class:** Not Available

**Packing Group:** Not Available

##### **Transportation Information:**

DOT Shipping Name: Not DOT regulated.

DOT Hazard Class: None

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping purposes.

ICAO/IATA (US)

Shipping Name: Petroleum Products, n.o.s. (Petroleum Distillate, Aliphatic)

Class: 3

Packaging Group: III

UN number: 1268

International:

ICAO/IATA

UN Number: UN1268

Shipping Name: Petroleum products, n.o.s. (petroleum distillate, Aliphatic)

Class: 3

Packaging Group: III

IMDG

UN Number: UN1268

Shipping Name: Petroleum products, N.O.S. (Petroleum Distillate, Aliphatic)

Class: 3

Packaging Group: III

EMS: F-E, S-E

#### ***XV. Regulatory Information:***

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SARA 313 Reportable Chemicals:  
 Petroleum Naphtha (64742-94-5)  
 Naphthalene (91-20-3)  
 Xylene (1330-20-7)  
 Toluene (108-88-3)

USA TSCA: All components of this material are listed on the US TSCA Inventory.

This fuel additive is registered in the United States

Warning: This product contains a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.

State RTK Chemicals:  
 Naphthalene (91-20-3)  
 Xylene (1330-20-7)  
 Toluene (108-88-3)

#### ***XVI. Other Information:***

**Chemical State:**     Liquid     Gas     Solid  
**Chemical Type:**     Pure     Mixture  
**Hazard Category:**  
 Acute     Chronic     Fire  
 Pressure     Reactive



#### **Additional Manufacturer Warnings:**

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established  
 N/D: Not Determined  
 N/A: Not Applicable

#### **Additional Product Information:**

While Radiator Specialty Company. believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.

2	Health
2	Flammability
0	Physical Hazard
H	Pers. Protection