



Safety Data Sheet

Issue Date: 02-Apr-2012

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name Coastal Octane Boost

Other means of identification

SDS # WUI-051

UN/ID No UN1992

Recommended use of the chemical and restrictions on use

Recommended Use Fuel additive.

Details of the supplier of the safety data sheet

Supplier Address

Warren Oil Company, LLC
915 E. Jefferson Ave.
West Memphis, AR 72301

Emergency Telephone Number

Company Phone Number 1-800-428-9284
Emergency Telephone (24 hr) CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

Appearance Amber liquid

Physical State Liquid

Odor Petroleum

Classification

| | |
|--------------------------------------------------|------------|
| Acute toxicity - Oral | Category 3 |
| Acute toxicity - Dermal | Category 3 |
| Acute toxicity – Inhalation (Vapors) | Category 3 |
| Acute toxicity – Inhalation (Dusts/Mists) | Category 3 |
| Serious eye damage/eye irritation | Category 2 |
| Specific target organ toxicity (single exposure) | Category 1 |
| Flammable Liquids | Category 2 |

Signal Word

Danger

Hazard Statements

Toxic if swallowed
Toxic in contact with skin
Toxic if inhaled
Causes serious eye irritation
Causes damage to organs
Highly flammable liquid and vapor



Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Wear protective gloves/protective clothing/eye protection/face protection
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Keep away from heat/sparks/open flames/hot surfaces. NO SMOKING
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Keep cool

Precautionary Statements - Response

IF exposed: Call a POISON CENTER or doctor/physician
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 if eye irritation persists: Get medical advice/attention
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.
 IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction.

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Harmful to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-------------------|---------|----------|
| Methanol | 67-56-1 | 80-90 |
| Isopropyl Alcohol | 67-63-0 | 10-20 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice

IF exposed: Call a POISON CENTER or doctor/physician.

| | |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Skin Contact | Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. |
| Ingestion | Immediately call a POISON CENTER or doctor/physician. Rinse mouth. |

Most important symptoms and effects

| | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------|
| Symptoms | Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes serious eye irritation. Causes damage to organs. |
|-----------------|---------------------------------------------------------------------------------------------------------------------------|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, alcohol foam, or carbon dioxide.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products Oxides of nitrogen. Carbon Monoxide. Carbon Dioxide.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|----------------------------------|-----------------------------------------------------------------------------------------------------------|
| Personal Precautions | Use personal protective equipment as required. Eliminate all ignition sources. Maintain good ventilation. |
| Environmental Precautions | See Section 12 for additional Ecological Information. |

Methods and material for containment and cleaning up

| | |
|--------------------------------|------------------------------------------------------------------------------|
| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
| Methods for Clean-Up | Take up with an absorbent. Store in a closed waste container until disposal. |

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection. Use only outdoors in well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. NOT SMOKING. Keep containers closed when not in use. Ground/bond container and receiving equipment. Use explosion proof equipment. Use non-sparking tools. Take precautionary measures against static discharges. Keep cool. Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. DO NOT take internally. Wash hands before eating or smoking

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store locked up. Store in well-ventilated place. Keep container tightly closed. Store away from heat, sparks or open flame. Do not store at temperatures above 49°C/120°F.

Incompatible Materials

Acids. Strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Methanol 67-56-1 | STEL: 250 ppm TWA: 200 ppm S* | TWA: 200 ppm TWA: 260 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m ³ (vacated) S* | IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 325 mg/m ³ |
| Isopropyl Alcohol 67-63-0 | STEL: 400 ppm TWA: 200 ppm | TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³ | |

Appropriate engineering controls

Engineering Controls

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Safety glasses.

Skin and Body Protection

Neoprene or nitrile gloves recommended.

Respiratory Protection

An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------|-----------------------|----------------|
| Physical State | Liquid | Odor | Petroleum |
| Appearance | Amber liquid | Odor Threshold | Not determined |
| Color | Amber | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|-------------------------|-------------------------|
| pH | Not applicable | |
| Melting Point/Freezing Point | Not determined | |
| Boiling Point/Boiling Range | 64.4 °C / 148 °F | |
| Flash Point | 10.6 °C / 51 °F | Tag Closed Cup |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Liquid-Not applicable | |
| Lower Flammability Limit | Not determined | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Specific Gravity | 0.79 | |
| Water Solubility | Insoluble in water | |
| Solubility in other solvents | Soluble in hydrocarbons | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |
| VOC Content (%) | 100% | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid

Keep away from heat, sparks and open flame.

Incompatible Materials

Acids. Strong oxidizers.

Hazardous Decomposition Products

Oxides of nitrogen. Carbon Monoxide and Carbon Dioxide. Acrid smoke with irritating fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|--------------------------------|
| Eye Contact | Causes serious eye irritation. |
| Skin Contact | Toxic in contact with skin. |
| Inhalation | Toxic if inhaled. |
| Ingestion | Do not ingest. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|------------------------------|----------------------|--------------------------|-------------------------------------------------|
| Methanol 67-56-1 | = 6200 mg/kg (Rat) | = 15800 mg/kg (Rabbit) | = 22500 ppm (Rat) 8 h = 64000 Ppm (Rat) 4 h |
| Isopropyl Alcohol 67-63-0 | = 1870 mg/kg (Rat) | = 4059 mg/kg (Rabbit) | = 72600 mg/m ³ (Rat) 4 h |

Information on physical, chemical and toxicological effects

Symptoms Please see Section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Group 3 IARC components are “not classifiable as human carcinogens”.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|------------------------------|-------|---------|-----|------|
| Isopropyl Alcohol 67-63-0 | | Group 3 | | X |

Legend

IARC (International Agency for Research on Cancer)

Group 3 IARC components are “not classifiable as human carcinogens”

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

STOT – single exposure Causes damage to organs.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------|
| Methanol 67-56-1 | | 28200: 96 h Pimephales promelas mg/L LC50 flow-through 18 – 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 – 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 13500 – 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static | | |

| | | | |
|------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| Isopropyl Alcohol 67-63-0 | 1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50 | 9640: 96 h Pimephales promelas mg/L LC50 flow-through 1400000: 96 h Lepomis macrochirus µg/L LC 50 11130: 96 h Pimephales promelas mg/L LC50 static: | 13299: 48 h Daphnia magna mg/L EC50 |
|------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

| Chemical Name | Partition Coefficient |
|------------------------------|-----------------------|
| Methanol 67-56-1 | -0.77 |
| Isopropyl Alcohol 67-63-0 | 0.05 |

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

| Chemical Name | RCRA | RCRA-Basis for Listing | RCRA – D Series Wastes | RCRA – U Series Wastes |
|---------------------|------|-----------------------------------|------------------------|------------------------|
| Methanol 67-56-1 | | Included in waste stream: F039 | | U154 |

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|------------------------------|-----------------------------------|
| Methanol 67-56-1 | Toxic Ignitable |
| Isopropyl Alcohol 67-63-0 | Toxic Ignitable |

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN1992
Proper Shipping Name Flammable liquids, toxic, n.o.s. (Methanol, Isopropanol)
Hazard Class 3
Subsidiary Hazard Class 6.1

Packing Group 111

IATA

UN/ID No UN1992
Proper Shipping Name Flammable liquids, toxic, n.o.s. (Methanol, Isopropanol)
Hazard Class 3
Subsidiary Hazard Class 6.1
Packing Group III

IMDG

UN/ID No UN1992
Proper Shipping Name Flammable liquids, toxic, n.o.s. (Methanol, Isopropanol)
Hazard Class 3
Subsidiary Hazard Class 6.1
Packing Group III
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

| Chemical Name | TSCA | DSL | NDSL | EINECS | ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|-------------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Methanol | Present | X | | Present | | Present | X | Present | X | X |
| Isopropyl Alcohol | Present | X | | Present | | Present | X | Present | X | X |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations**CERCLA**

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---------------------|--------------------------|----------------|--------------------------------------------|
| Methanol 67-56-1 | 5000 lb | | RQ 5000 lb final RQ RQ 2270 kg final RQ |

SARA 313

| Chemical Name | CAS No | Weight-% | SARA 313 – Threshold Values % |
|-----------------------------|---------|----------|-------------------------------|
| Methanol – 67-56-1 | 67-56-1 | 80-90 | 1.0 |
| Isopropyl Alcohol – 67-63-0 | 67-63-0 | 10-20 | 1.0 |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | California Proposition 65 |
|--------------------|---------------------------|
| Methanol – 67-56-1 | Developmental |

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|------------------------------|------------|---------------|--------------|
| Methanol 67-56-1 | X | X | X |
| Isopropyl Alcohol 67-63-0 | X | X | X |

| |
|------------------------------|
| 16. OTHER INFORMATION |
|------------------------------|

| | | | | |
|-------------|-----------------------|---------------------|-------------------------|----------------------------|
| NFPA | Health Hazards | Flammability | Instability | Special Hazards |
| | 2 | 3 | 1 | Not determined |
| HMIS | Health Hazards | Flammability | Physical Hazards | Personal Protection |
| | 2 | 3 | 1 | Not determined |

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 Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet