

Cross Packaging Material Safety Data Sheet

Cross Oil – Packaging Division

484 East 6th Street
Smackover, AR USA
71762

Emergency:

870-881-8700, Ext. 1163

Information:

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870-864-8656

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03/16/2011

SECTION 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Octane Booster
CAS Registry Number: Not applicable for mixtures
Synonyms: Gard Octane Booster

Item Number:
Generic/Chemical Name: Petroleum hydrocarbon fluid
Product Type: Clear, Amber Hydrocarbon

SECTION 2

COMPOSITION / INFORMATION ON INGREDIENTS

| INGREDIENTS | CAS # | % | ACGIH TWA | OSHA PEL | OSHA STEL | SKIN |
|---|------------|-----------|-----------------|-----------------|-----------------|------|
| Kerosene | 8008-20-6 | 95.-99. | Not reported | Not reported | Not reported | Yes |
| Methylcyclopentadienyl manganese tricarbonyl | 12108-13-3 | 1.00-5.00 | | | | |

SECTION 3

HAZARDS IDENTIFICATION

WARNING: NONE REQUIRED

Eye Contact: Irritant.

Skin Contact: May cause moderate irritation to skin. Prolonged contact may cause irritation, de-fatting, and dermatitis.

Inhalation: Vapors may cause drowsiness and dizziness.

Ingestion: Harmful may cause lung damage if swallowed.

SECTION 4

FIRST AID MEASURES

Eye Contact: Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If irritation persists call a physician. If material is hot, treat for thermal burns and take victim to hospital immediately.

Skin Contact: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. If material is hot, submerge injured area in cold water. If victim is severely burned, remove to a hospital immediately. Wash contaminated clothing before reuse.

Inhalation: If overcome by inhalation of hot vapors, remove to fresh air. Use oxygen if there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if necessary.

Ingestion: DO NOT INDUCE VOMITING. . Do not administer EPINEPHRINE OR

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ADRENALINE. Seek immediate medical attention.

SECTION 5 FIRE FIGHTING MEASURES

| | |
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| Flash Point: | Min. 51.7°C (125.1°F) by Closed Cup, ASTM D 92 |
| Upper Flammable Limit: | Not determined |
| Lower Flammable Limit: | Not determined |
| Extinguishing Media: | Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. DO NOT used water in a jet. |
| Special Fire Fighting Procedures: | Will float and can be reignited on surface water. Hazardous combustion products may include a complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds. |
| Unusual Fire and Explosion Hazards: | Material is combustible. |
| By-products of Combustion: | Not determined |
| Auto-ignition Temperature: | Min. 51.7°C (125.1°F) by Closed Cup |
| Explosion Data: | Lower Explosive Limit (%): Typical 0.60 – 6% (V) |

SECTION 6 ACCIDENTAL RELEASE MEASURES

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| Spill Procedures (Land): | Observing health hazards described above, ventilate area. Remove ignition sources. Confine spill, use absorbent material. Transfer to waste drum. |
| Spill Procedures (Water): | Remove from surface by skimming or with suitable adsorbents. If a large spill occurs notify appropriate authorities. |
| Waste Disposal Method: | All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded may be a regulated waste. Refer to state and local regulations. Department of Transportation regulations may apply for transporting this material when spilled. See Section 14. CAUTION - If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated. |

SECTION 7 HANDLING AND STORAGE

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| Handling Procedures: | Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. |
| Storage Procedures: | Store containers away from heat, sparks, open flame, or oxidizing materials. |
| Additional Information: | No additional information. |

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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| Personal Protection: | Applicable mainly to persons in repeated contact situations such as packaging of product, service/maintenance, and cleanup/spill control personnel. |
| Respiratory Protection: | None required if airborne concentrations are maintained below threshold limits listed on page 1. Otherwise a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed. Where misting may occur, wear an MSHA/NIOSH approved (or equivalent) half-mask form dust/mist air-purifying respirator. |

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| Eye Protection: | Eye protection is always recommended. If material is handled such that it could be splashed into the eyes, wear safety glasses with side shields or vented/splash proof goggles (ANSI Z87.1 or approved equivalent). |
| Hand Protection: | Impervious gloves such as neoprene or nitrile rubber to avoid skin sensitization and absorption. |
| Other Protection: | Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. If handling hot material use insulated protective equipment. Launder soiled clothes. Properly dispose of contaminated leather articles and other materials, which cannot be decontaminated. |
| Local Control Measures: | Use adequate ventilation when working with material in an enclosed area. Mechanical methods such as fume hoods or area fans may be used to reduce localized vapor/mist areas. If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure. Eyewash stations and showers should be available in areas where this material is used and stored. |
| Other: | Consumption of food and drink should be avoided in work areas where product is present. Always wash hands and face with soap and water before eating, drinking, or smoking. |
| Exposure Limit (Total) | 200 mg/m ³ as a hydrocarbon vapor over an 8 hour daily exposure (ACGIH) 5 mg/m ³ as manganese over an 8 hour daily exposure (ACGIH) |

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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| Vapor Pressure: | < 300 Pa at STP (Standard Temperature and Pressure, 25°C at 1 ATM) |
| Gravity by ASTM D 1298: | |
| Specific Gravity @ 15.6°C | 0.8400 |
| Solubility | Negligible in water, soluble in hydrocarbon solvents |
| Percent Volatile: | Negligible at STP |
| Vapor Density, Air = 1: | >5 at STP (estimated value) |
| Evaporation Rate, n-Butyl Acetate = 1: | Negligible at STP |
| Odor: | Mild petroleum hydrocarbon odor |
| Appearance: | Amber, clear fluid |
| Boiling Point: | > 320°F |
| Molecular Weight: | Not determined. |

SECTION 10 STABILITY AND REACTIVITY

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| Stability: | Material is stable at room temperature and pressure. |
| Conditions To Avoid: | Avoid high temperatures and product contamination. |
| Incompatibility With Other Materials: | Avoid contact with acids and oxidizing materials. |
| Decomposition Products: | Not determined |
| Hazardous Polymerization: | Will not occur. |

SECTION 11 TOXICOLOGICAL INFORMATION

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| Oral Toxicity: | Harmful or fatal if swallowed |
| Dermal Toxicity: | Not determined. |
| Inhalation Toxicity: | Irritation to mucous membranes. Over exposure may cause headache, dizziness |
| Dermal Sensitization: | Prolonged or repeated contact may make skin more sensitive to other skin sensitizers. Based on data from similar materials |
| Chronic Toxicity: | Not determined |
| Carcinogenicity: | Not determined |
| Mutagenicity: | Not determined |
| Reproductive Toxicity: | Not determined |
| Teratogenicity: | Not determined |
| Other: | If aspired into lungs, may cause irritation |

SECTION 12 ECOLOGICAL INFORMATION

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|--------------------------------|-------------------|
| Environmental Toxicity: | Not determined |
| Environmental Fate: | No data available |

SECTION 13 DISPOSAL CONSIDERATIONS

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| Waste Disposal: | Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws. |
| Disposal Consideration: | Place used, contaminated, or excess material into disposable containers and dispose of in a manner consistent with local and state regulations. Contact local environmental or health authorities for approved disposal of this material. Most used oil is reclaimed or incinerated. |

SECTION 14 TRANSPORT INFORMATION

U.S. DOT Information

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|---------------------------------------|---|
| Bulk Shipping Description: | Kerosene |
| Non-Bulk Shipping Description: | Kerosene |
| Identification Number: | UN 1223 |
| Hazard Classification: | Class 3, Packaging III |
| Other: | See 49 CFR for additional requirements for descriptions, allowed modes of transport, and packaging. For more information concerning spills during transport, consult latest DOT Emergency Response Guidebook for Hazardous Materials Incidents, DOT P 5800.3. |

SECTION 15 REGULATORY INFORMATION

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| Clean Water Act/Oil Pollution Act: | Under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Control Act of 1990, this material is considered an oil. Any spills or discharges that produce a visible sheen or film on surface of water, or in waterways, ditches, or sewers leading to surface water must be reported. Contact the National Response Center at 800-424-8802. |
| TSCA: | All components of this material are listed in the U.S. TSCA Inventory. |

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Other TSCA: Not applicable.

SARA Title III: Section 302/304 Extremely Hazardous Substances: None
 Section 311/312 Hazard Categorization:
 Acute (immediate health effects): No
 Chronic (delayed health effects): No
 Fire (hazard): No
 Reactivity (hazard): No
 Pressure (sudden release hazard): No

Section 313 Toxic Chemicals: None

CERCLA: For stationary sources - reportable quantity: Not determined.
 Due to: Not applicable.
 For moving sources - reportable quantity: Not determined.
 Due to: Not applicable.

Recommend contacting the local authorities in the event of any type of spill to determine local reporting requirements and also to aid in the cleanup.

California Prop. 65: Not applicable.

SECTION 16 OTHER INFORMATION

| | NFPA 704 | NPCA-HMIS | KEY |
|--------------------------|----------|-----------|--------------|
| HEALTH: | 0 | 0 | 0 = Minimal |
| FIRE: | 1 | 1 | 1 = Slight |
| REACTIVITY: | 0 | 0 | 2 = Moderate |
| SPECIFIC HAZARD: | NONE | N/A | 3 = Serious |
| PROTECTION INDEX: | N/A | B | 4 = Severe |

Precautionary Labels: NONE REQUIRED

This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Cross Packaging must rely upon information provided by the material manufacturers or distributors.

Prepared by: David Collins
 File: Octane Booster

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