

Cross Packaging Material Safety Data Sheet

Cross Oil – Packaging Division

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Smackover, AR USA
71762

Emergency:

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Information:

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SECTION 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Concentrated Fuel Injector Treatment
CAS Registry Number: Not applicable for mixtures
Synonyms: Gard Concentrated Fuel Injector Treatment, Injector Treatment
Item Number:
Generic/Chemical Name: Petroleum hydrocarbon fluid
Product Type: Petroleum hydrocarbon

SECTION 2

COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	%	ACGIH TWA	OSHA PEL	OSHA STEL	SKIN
Aliphatic Petroleum Distillates	80-100	64742-88-7 64742-95-6	100ppm 500ppm			
Kerosene	80-100	64742-81-0	100ppm			
1,2,5-Trimethylbenzene	80-100	95-63-6	25ppm			
1,3,5-Trimethylbenzene	0-5	108-67-8	25ppm			
Naphthalene	0-2	91-20-3	10ppm		15 ppm	
Hydro-treated Refined Petro-distillates	0-15	64742-54-7	5mg/m ³			
Proprietary Ingredients	0-10	Mixture	None Established			

SECTION 3

HAZARDS IDENTIFICATION

WARNING: Clear to light amber liquid. Petroleum odor. Combustible liquid and vapor. **WARNING:** This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm. Components not identified are nonhazardous according to 29 CFR 1910.1200.

Eye Contact: Mild 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.

Chronic (Cancer) Information IARC Monographs state that when laboratory animals are exposed to severely hydro-treated oils, such as these product(s), there is **insufficient evidence** for cancer. Thus, these oils are **Unlabeled** in accordance with 29 CFR 1910.1200.

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.

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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 ADRENALINE. Seek immediate medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point:	Min. 60.6°C (141°F) by Tag 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. 550°F by TAG Closed Cup
Explosion Data:	Not determined

SECTION 6 ACCIDENTAL RELEASE MEASURES

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

Handling Procedures:	Use local exhaust ventilation if there is risk of inhalation of vapours, mists or aerosols. Proper 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:	Concentration in air determines protection needed. Use only NIOSH certified respiratory respirator with dust/mist filters or HEPA filter cartridges is acceptable to 10 times the exposure limit. Full face air purifying respirator with dust/mist filters or HEPA filter cartridges is acceptable to 50 times the exposure limit. Protection by air purifying respirators is limited. Use a positive pressure demand full face supplied air respirator or SCBA for exposures above 50X the exposure limit. If exposure is above IDLH (immediately dangerous to life and health) or there is the possibility of an uncontrolled release or exposure levels are unknown then use a positive pressure demand full face supplied air respirator with escape bottle or SCBA. If contact is unavoidable, wear chemical resistant clothing. The following materials are acceptable as protective clothing materials: polyvinyl alcohol (PVA); polyvinyl chloride (PVC); neoprene; nitrile; viton; polyurethane; launder soiled clothes.
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)	5 mg/m ³ for mineral oil mist over an 8 hour daily exposure (ACGIH)

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	Not determined
Gravity by ASTM D 1298:	
API Gravity	44.7
Specific Gravity @ 15.6°C	0.8029
Density @ 15.6°C	6.70
Solubility	Not determined
Percent Volatile:	Negligible at STP
Vapor Density, Air = 1:	>1 at STP

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Evaporation Rate, n-Butyl Acetate = 1:	Negligible at STP
Odor:	Petroleum hydrocarbon odor
Appearance:	Clear to light amber liquid, petroleum odor
Viscosity by ASTM D 445:	
cSt at 40°C (104°F)	N/A
cSt at 100°C (212°F)	N/A
Boiling Point:	Not determined. Expected to be > 350°C
Pour Point (°C): by ASTM D 97	N/A
Molecular Weight:	Not determined.

SECTION 10 STABILITY AND REACTIVITY

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

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

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

Bulk Shipping Description: Consumer Commodity, ORM D

Non-Bulk Shipping Description: Consumer Commodity, ORM D

Identification Number: UN 1993

Hazard Classification: ORM D 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

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.

OSHA: IARC Monographs state that when laboratory animals are exposed to severely hydrotreated oils, such as these product(s), there is **insufficient evidence** for cancer. Thus, these oils are **Unlabeled** in accordance with 29 CFR 1910.1200.

TSCA: All components of this material are listed in the U.S. TSCA Inventory.

Other TSCA: Not applicable.

SARA Title III:

Section 302/304	Extremely Hazardous Substances:	None
Section 311/312	<u>Hazard Categorization:</u>	
	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.

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California Prop. 65: Not applicable.
Canadian Domestic Substance List All components of this material are listed
European Standard Test Method (IP-346) Pass

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.

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File: Fuel Injector Treatment

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