



STP; Oil Treatment

S/S 108

Material Safety Data Sheet

STP® Oil Treatment

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

STP® Oil Treatment

First Brands Corporation
83 Wooster Heights Road
Building 301
Danbury, CT 06813-1911
Telephone: (203) 731-2300

Product Type

Oil Additive

Stock

9500X, 9501X, 9502X, 9505X, AS1594, ST1006, ST1007, ST1007A,
ST1010, ST1014, ST1015, ST1020, ST1021, ST1024, ST1032,
ST1064, ST1075, ST1094, ST1095

Formula

RM-3579, RM-3935

Transportation
Emergency Phone #

(CHEMTREC) 1-800-424-9300

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COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Materials	Material	%	CAS #	Exposure Limit	Source
	Severely Refined Mineral Oils	80-100	Proprietary	5 mg/m3	(3)
	Zinc Compounds	1-5	Proprietary	None Established	(3)

None of the ingredients is listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

The Permissible Exposure Limits (PEL) reported above are the pre-1989 limits that were reinstated by OSHA following a decision by the 11th Circuit Court of Appeals. These PELs are being enforced by Federal OSHA. Be aware that more restrictive limits may be enforced by some states. First Brands Corporation recommends that the lower exposure limits be observed as reasonable worker protection.

The source for exposure limits listed above are:

1. OSHA Permissible Exposure Limit (PEL)
2. ACGIH Threshold Limit Value (TLV)
3. Both the OSHA PEL and ACGIH TLV
4. Recommended by the Manufacturer



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HAZARDS IDENTIFICATION

Principal Hazards

Warning

- Amber or dark brown liquid with a mild petroleum odor.
- Accidental ingestion of this material may cause gastrointestinal disturbances including irritation, nausea, vomiting and diarrhea.
- Aspiration from ingestion may cause lipid pneumonia.
- Breathing high concentrations of vapors may cause respiratory irritation and central nervous system effects including headache, nausea, and drowsiness.
- May cause eye and skin irritation.

See Section 11 for complete health hazard information

KEEP OUT OF REACH OF CHILDREN

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FIRST AID

Swallowing

Get medical attention by calling Poison Control Center or hospital emergency room. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency treatment center or hospital. Never give anything by mouth to a person who is unconscious or drowsy.

Skin

Remove contaminated clothing. Wash all affected and exposed areas with soap and water. If skin irritation or redness persists seek medical attention.

Inhalation

If symptoms of exposure develop, remove to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek medical attention.

Eyes

Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. Seek medical attention.

Notes To Physician

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical conditions. If this product is aspirated following ingestion, it may lead to a lipid pneumonia.

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FIRE FIGHTING MEASURES

Flash Point (Method)

374°F (190°C) COC
386°F (195°C) PMCC

Upper Flammable Limit

Not determined



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FIRE FIGHTING MEASURES (continued)

Lower Flammable Limit	Not determined
Extinguishing Media	Use foam, carbon dioxide or dry chemical.
Special Firefighting Procedures	Use self contained breathing apparatus and full protective clothing . Use water to cool fire-exposed containers. Material may float on water and spread fire.
Unusual Fire and Explosion Hazards	The vapor space in closed containers may contain hydrogen sulfide in explosive concentrations. Hydrogen sulfide may be released when heated.
Combustion Decomposition	Carbon monoxide, carbon dioxide, aldehydes, hydrogen sulfide, alkyl mercaptans, sulfides and oxides of nitrogen, sulfur, or phosphorous.
Auto-ignition Temperature	Not determined
Explosion Data	None determined.

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ACCIDENTAL RELEASE MEASURES

Spill	Ventilate area. Wear appropriate personal protective equipment. Avoid breathing vapor. Collect material with suitable absorbent material and shovel into appropriate container for disposal. Prevent product from entering sewer or waterways.
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HANDLING AND STORAGE

Handling Procedures	<ul style="list-style-type: none">• Avoid contact with eyes, skin and clothing.• Wash exposed skin with soap and water after use.• Avoid breathing vapors and mists.• Use only with adequate ventilation.• Handling temperatures should not exceed 176°F (80°C)• Keep container closed.
Storage Procedures	<ul style="list-style-type: none">• Store in cool, dry, well ventilated area. Product may decompose to toxic products if stored above 113°F (45°C) for prolonged periods or if heat sources above 250°F (121°C) are used.

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EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Procedures	General ventilation should be adequate for normal use. For operations where the TLV may be exceeded, mechanical ventilation such as local exhaust may be needed to maintain exposure levels below applicable limits.
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Gloves Protection	Impervious gloves such as nitrile are recommended for operations which may result in skin contact.
Eye Protection	Safety glasses, chemical safety goggles or face shield is recommended to prevent eye contact.
Respiratory Protection	None needed under normal use conditions. For operations where the TLV may be exceeded, a NIOSH/MSHA approved supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.
Clothing Recommendation	Protective clothing if needed to avoid prolonged / repeated skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be removed and laundered or dry-cleaned before re-use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	Not determined
pH	Not applicable
Specific Gravity	0.88 @ 15.6°C
Water Solubility	Insoluble
Percent Volatile	Not determined
Vapor Density	Not determined
Evaporation Rate	Not determined
Odor	Mild petroleum odor
Appearance	Dark brown to amber liquid
Viscosity	5200-6340 cSt @ 40°C
Boiling Point	Not determined
Freezing Point	Not applicable

10 STABILITY AND REACTIVITY

Stability	Stable
Incompatibility	Oxidizing agents and reducing agents.
Conditions to Avoid	Avoid excessive heat for prolonged periods.



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STABILITY AND REACTIVITY (continued)

Polymerization

Will not occur

Hazardous

Décomposition

Heating will generate toxic and flammable hydrogen sulfide. Burning can produce carbon monoxide, carbon dioxide, aldehydes, hydrogen sulfide, alkyl mercaptans, sulfides and oxides of nitrogen, sulfur, or phosphorous.

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TOXICOLOGICAL INFORMATION

Oral Toxicity

Swallowing large amounts may cause gastrointestinal disturbances including abdominal discomfort, belching, nausea and diarrhea. Aspiration may lead to lipid pneumonia.

Eye Irritation

May cause eye irritation with tearing, reddening and swelling of the conjunctiva.

Skin Irritation

May cause irritation, seen as localized redness and swelling.

Dermal Toxicity

No evidence of adverse effects from available information.

Inhalation Toxicity

Excessive inhalation of vapor or mist may cause irritation of the nose and throat and central nervous system effects including headache, nausea and drowsiness. The release of hydrogen sulfide gas in various concentrations may cause irritation of the eyes and respiratory tract, headache, dizziness, nausea and drowsiness. Exposure to high concentrations of hydrogen sulfide may be fatal.

Acute Toxicity Values

Product: No data available

Sensitization

This product is not expected to be a human skin sensitizer.

Chronic Toxicity

Prolonged or repeated contact with this product may possibly lead to irritation and dermatitis.

Medical Conditions

Aggravated by Exposure

Individuals with preexisting skin disease may be at increased risk from exposure to this product.

Carcinogenicity

None of the components of this product is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

Mutagenicity

No evidence of mutagenicity from available data.

Reproductive Toxicity
and Teratogenicity

No evidence of adverse reproductive effects from available data.



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Aquatic/Terrestrial
Toxicity
Environmental Fate

No data is available at this time.

13**DISPOSAL CONSIDERATIONS**

Waste Disposal

..Dispose in accordance with federal, state and local regulations.

14**TRANSPORT INFORMATION**

U.S. DOT Non-Bulk
Shipping Description

None - Not Regulated

ID Number None

Hazard Class None

Packing Group None

Label None

Placards None

IMDG Code Shipping
Description

NONE - NOT REGULATED

ID Number NONE

Hazard Class NONE

Packing Group NONE

Label NONE

Placards NONE

IMDG PG NONE

Air - IATA Shipping
Description

None - not regulated

Technical Name None

ID Number None

Hazard Class None

Packing Group None

Markings None

Label None

15**REGULATORY INFORMATION**

U.S. TSCA Inventory/
other TSCA Regulations.

All of the components of this product are listed on the TSCA inventory.
This product is subject to export notification.

SARA Ext. Haz. Subst.

None.



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REGULATORY INFORMATION (continued)

SARA Section 313

This product contains the following toxic chemicals 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)

Chemical Name	CAS#	Weight %
Zinc Compounds	Proprietary	1-5

CERCLA Hazardous Substances (Section 103)/RQ

This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

California Proposition 65

This product does not contain chemicals regulated under California Proposition 65.

EEC EINECS

All of the ingredients are listed on the EINECS inventory.

Canada

All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

Japan MITI

All of the ingredients of this product are listed on the Japanese Existing and New Chemical Substances (MITI) List.

Australia

All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.

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OTHER INFORMATION

NFPA Code

Health: 1 Fire: 1 Reactivity: 0

HMIS Code

Health: 1 Fire: 1 Reactivity: 0

Precautionary Labels

Observe all requirements of plant, company or government regulations. "Empty" containers retain product residue and can be hazardous. Keep out of the reach of children. Do not take internally.

Revision Indicators

Supersedes: December 10, 1995 Revised Sections: Re-Formulated Product - Revised Section 1, 2, 3, 5, 7, 9, 10, 11, 14, 15, 16



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OTHER INFORMATION (continued)**General**

This MSDS is directed to professional users and bulk handlers of the product. Consumer products are labeled in accordance with Federal Hazardous Substances Act regulations.

While First Brands Corporation believes that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of the tests conducted, the data are not to be taken as a warranty or representation for which First Brands Corporation assumes legal responsibility. They are offered solely for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

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