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141, 143, 145

Smitty's Supply, Inc.
63399 Hwy 51 N.
P.O. Box 530
Roseland, LA 70456
Material Safety Data Sheet



Date: April 27, 1998

Generic Name: SUPER TRAC TO 4

Generic Code: TF-005

THIS GENERIC MSDS REPRESENTS THE FOLLOWING SUPER S PRODUCTS:

Trade Name:

SUPER TRAC TO 4 10 WT
SUPER TRAC TO 4 30 WT
SUPER TRAC TO 4 50 WT

Commodity Code No.:

33-321
33-323
33-325

Synonyms: Lubricating Oil
CAS No.: Mixture (Refer to Section 1)
SUPER S Index No.: 1963

Technical Contact: (504) 748-9687
Medical Emergency: (504) 748-9687
CHEMTREC Emergency: (800) 424-9300

MATERIAL HAZARD EVALUATION

(Per OSHA Hazard Communication Standard [29 CFR 1910.1200])

Health Precautions: WARNING: Oil injected into the skin from high pressure leaks in hydraulic systems can cause severe injury. Most damage occurs during the first few hours. Seek medical attention immediately. Surgical removal of oil may be necessary.

Safety Precautions: This material will burn when preheated but will not ignite readily. Do not store material in open or unmarked containers.

HMS Rating¹

Health: 0

Flammability: 1

Reactivity: 0

1.0 GENERIC COMPOSITION / COMPONENTS

Components	CAS No.	%	Hazard Data
Refined Petroleum Oils	64741-89-5 64741-88-4 64742-01-4 64742-65-0 64742-54-7	> 90	Oral LD ₅₀ (rat): > 5 g/kg Dermal LD ₅₀ (rabbit): > 2 g/kg Skin and Eyes: Essentially non irritating Hazard data are based upon similar components.
Anti-oxidant, Dispersant (contains zinc alkylidithiophosphate)	Mixture	< 10	Oral LD ₅₀ (rat): > 5 g/kg. Skin: Mild to moderate irritant. Eyes: Moderate to severe irritant.
Antifoam Agent	Mixture	0 - 1	Inhalation: Respiratory tract irritant Skin: Irritant, Allergic skin reaction. Eye: Irritant
Pour Point Depressant	Mixture	0 - 1	Skin and Eyes: Mild irritant.

¹ Hazard Rating: least-0, slight-1, moderate-2, high-3, extreme-4.

Smitty's assigned these values based upon an evaluation conducted pursuant to NPCA guidelines. Use of an asterisk (*) indicates that the material may present chronic health effects.

NA-Not Applicable

ND-No Data

NE-Not Established
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2.0 PHYSICAL DATA

Physical Hazard Classification (Per 29 CFR 1910.1200):

Combustible	No	Flammable	No	Pyrophoric	No
Compressed Gas	No	Organic Peroxide	No	Reactivity	No
Explosive	No	Oxidizer	No	Stable	Yes

Boiling Point, 760 mm Hg, °C (°F): -387 - 600 (-435 - 1112)
 Specific Gravity (60/60 °F) (H₂O = 1): 0.87 - 0.90
 Vapor Density (Air = 1): > 1
 % Volatiles by Volume: Negligible
 Melting Point, °C (°F): NA
 Vapor Pressure, mm Hg (25°C): > 1.5 x 10⁻⁵
 Solubility in Water: Negligible
 Evaporation Rate (n-butyl acetate = 1): < 1
 pH of Undiluted Product: NA
 Appearance and Odor: Amber to dark amber liquid, slight petroleum odor.

3.0 FIRE AND EXPLOSION DATA

Flash Point, OC, °C(°F): 200 - 272 (392 - 522)
 Flash Point, CC, °C (°F): ND
 Autoignition Temperature, OC, °C (°F): ND
 NFPA Rating²: Health: 0 Flammability: 1 Reactivity: 0
 Flammable Limits (% by volume in air): Lower: NA Upper: NA
 Extinguishing Media: CO₂, dry chemical, foam, water fog.
 Special Fire Fighting Procedure: None.
 Unusual Fire or Explosion Hazard: Water may cause frothing.

4.0 REACTIVITY DATA

Stability: Stable.
 Conditions Contributing to Instability: None.
 Incompatibility: Strong oxidizing agents.
 Hazardous Decomposition Products: CO₂, CO, smoke, fumes unburned hydrocarbons, and trace oxides of zinc, sulfur and nitrogen.
 (thermal, unless otherwise specified)
 Hazardous Polymerization: Hazardous polymerization is not expected to occur.

5.0 SPILL, LEAK AND DISPOSAL PROCEDURES

Procedure if Material is Spilled:

- Remove all ignition sources.
- Isolate the area of the spill and restrict access to persons wearing protective clothing.
- Ventilate area of release, as necessary, to disperse vapors and mists.

²Hazard Rating: least-0; slight-1; moderate-2; high-3; extreme-4.
 Safety assigned these values based upon an evaluation conducted pursuant to NFPA guidelines.
 NA-Not Applicable ND-No Data

5.0 SPILL, LEAK AND DISPOSAL PROCEDURES (continued)

- **Small Spills:** Absorb released material with non-combustible absorbent. Place into containers for later disposal. (See Waste Disposal section below.)
- **Large Spills:** Evacuate area in the event of significant spills. Evaluate exposure potential. Potential exposure may require the use of respiratory protection. Use protective clothing. Contain spill in temporary dikes to avoid product migration and to assist in recovery. Do not allow material to escape into sewers, ground water, drainage ditches or surface waters.
- Administer appropriate first aid.
- Report releases as required to the appropriate federal, state and local authorities.

Waste Disposal:

- It is the responsibility of the user to determine if the material is a hazardous waste at the time of disposal.
- Determine compliance status with all applicable requirements prior to disposal.
- Contact the RCRA/Superfund Hotline at (800) 424-9346 or your regional US EPA office for guidance concerning case specific disposal issues.

Protective Measures During Repair and Maintenance of Contaminated Equipment:

- Refer to Section 7.0 - Special Protection Information.
- Drain and purge equipment, as necessary, to remove material residues.
- Use oil impervious gloves and protective work clothing if direct contact is anticipated.
- Eliminate heat and ignition sources.
- Wash exposed skin thoroughly with soap and water.
- Remove contaminated clothing. Launder before reuse.
- Keep unnecessary persons from hazard area.

6.0 HEALTH HAZARD DATA

Health Hazard Classification (Per 29 CFR 1910.1200):

Highly Toxic	No	Sensitizer	No*
Toxic	No	Reproductive Effects	No
Corrosive	No	Mutagen	No
Irritant	No	Target Organ	No

*One minor component may be a mild sensitizer, however the final product is not expected to be affected.

Carcinogen:

Product/Component	CAS No.	Conc. (%)	NTP	IARC	OSHA	Other
SUPER TRAC TO 4	Mixture	100	No	No	No	No

Toxicity Summary: Generally of a low order of toxicity.

Major Route of Entry: Inhalation of incidental mists or vapors, dermal contact with liquid product.

Acute Exposure Symptoms:

Inhalation: In enclosed spaces or when hot, vapors may reach concentrations sufficient to cause drowsiness, dizziness, headache, nausea, or lung irritation. Elevated mist concentrations may cause severe lung damage.

Dermal: The products represented by this MSDS can cause mild, transient skin irritation.

6.0 HEALTH HAZARD DATA (continued)

Eye: The products represented by this MSDS can cause eye irritation characterized by pain, tears, swelling, redness and blurred vision. The extent of injury is dependent upon the amount of product entering the eye and the time elapsed before it is removed.

Ingestion: Upon ingestion, gastrointestinal discomfort, diarrhea, and headache may occur.

Injection: Injection under the skin, in muscle or into the blood stream can cause irritation, inflammation, swelling or severe, permanent tissue damage.

Chronic Exposure Symptoms:

Prolonged and/or frequent contact may cause drying, cracking (dermatitis) or folliculitis.

Other Special Effects:

None expected.

Medical Conditions Aggravated by Exposure:

None.

First Aid and Emergency Procedures for Acute Effects:

Inhalation: Move victim to fresh air. If victim is not breathing, immediately begin rescue breathing. If breathing is difficult, 100 percent humidified oxygen should be administered by a qualified individual. Seek medical attention immediately.

Dermal: Remove contaminated clothing. Wash exposed skin with soap and water. Launder clothing before use. Seek medical attention if tissue appears damaged or if irritation persists.

Eyes: Flush eyes with cool water while occasionally lifting and lowering eyelids. Remove contact lenses if worn. Seek medical attention if excessive tearing, irritation or pain persists.

Ingestion: Induce vomiting only upon the advice of a physician. Never give anything by mouth to a person who is not fully conscious. Seek medical attention immediately.

Injection: Injection under the skin, in muscle or into the blood stream is a medical emergency. Seek medical attention immediately.

Notes to Physician:

The viscosity range for the products represented by this MSDS is 200 to 1,100 SUS at 100° F. Upon ingestion, the risk of aspiration minimal. Removal of material by emesis or careful gastric lavage may be considered.

Subcutaneous or intramuscular injection requires prompt surgical debridement.

7.0 SPECIAL PROTECTION INFORMATION

Ventilation Requirements:

Use in well ventilated area. In confined space, mechanical ventilation may be required to keep levels of certain components below applicable workplace exposure levels as evaluated by designated and properly trained personnel.

7.0 SPECIAL PROTECTION INFORMATION (continued)

Applicable Workplace Exposure Levels:

Chemical Component	ACGIH TLV TWA ppm (mg/M ³)	ACGIH TLV STEL/ Ceiling (C) ppm (mg/M ³)	ACGIH TLV Skin notation?	OSHA PEL TWA ppm (mg/ M ³)	OSHA PEL STEL/ Ceiling (C) ppm (mg/M ³)	OSHA PEL Skin notation?
Oil Mist, Mineral	(5)	(10)	No	(5)	NE	No

Specific Personal Protective Equipment:

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations.

- Respirator:** At elevated temperatures, vapor or mist concentrations may exceed applicable workplace exposure levels. Use a NIOSH or MSHA approved organic vapor/mist chemical cartridge respirator when elevated airborne concentrations are anticipated.
- Eyes:** Use safety glasses. Use chemical splash goggles if splashing is anticipated.
- Dermal:** Use gloves constructed of impervious materials such as heavy nitrile rubber or neoprene if frequent or prolonged contact is expected.
- Clothing or Equipment:** Wear body-covering work clothes to avoid prolonged or repeated exposure. Launder contaminated work clothes before reuse.

8.0 TRANSPORTATION AND SPECIAL PRECAUTIONS

- Storage:** Store in a cool, dry, well ventilated area. Do not apply heat or flame to container. Keep separate from strong oxidizing agents.
- Caution:** Misuse of empty containers can be hazardous. Empty containers can be dangerous if use to store toxic, flammable or reactive materials. Cutting or welding of empty containers can cause fire, explosion or release of toxic fumes from residues. Do not pressurize or expose empty containers to open flame or heat. Keep container closed and drum bungs in place. All label warning and precautions must be observed. Return empty drum to a qualified reconditioner. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

DOT Information:

Proper Shipping Name:
Hazard Class:
Hazard Identification No.:
Packaging Group:
Placard:

Petroleum Lubricating Oils
Non-Hazardous
None assigned
None assigned
None

9.0 ENVIRONMENTAL DATA

Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 313 - Toxic Chemicals:

The products represented by this MSDS may contain the following components in concentrations above *de minimis* levels that are listed as toxic chemicals in 40 CFR Part 372 pursuant to the requirements of Section 313 of SARA:

<u>Components</u>	<u>CAS No.:</u>	<u>Concentration (%)</u>
Zinc compounds	NA	< 2

Section 311/312 - Hazard Categories:

This product may meet one or more of the criteria for the hazard categories defined in 40 CFR Part 370 as established by Sections 311 and 312 of SARA as indicated below:

Immediate (Acute) Health Hazard:	No	Sudden Release of Pressure Hazard:	No
Delayed (Chronic) Health Hazard:	No	Reactive Hazard:	No
Fire Hazard:	No		

Section 302 - Extremely Hazardous Substances:

This product is not known to contain any components in concentrations greater than one percent that are listed as Extremely Hazardous Substances in 40 CFR Part 355 pursuant to the requirements of Section 302(a) of SARA.

Clean Water Act (CWA):

Under the CWA, discharges of crude oil and petroleum products to surface water without proper Federal and State permits must be reported immediately to the National Response Center at (800) 424-8802.

Comprehensive Environmental Response, Compensation & Liability Act (CERCLA) Section 102 Hazardous Substances:

As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance.

Toxic Substances Control Act (TSCA):

<u>Reported in TSCA Inventory as:</u>	<u>Product</u>	<u>Components</u>
SUPER TRAC TO 4 200-1100		X

10.0 LABELING

WARNING:

Oil injected into the skin from high pressure leaks in hydraulic systems can cause severe injury. Most damage occurs during the first few hours. Seek medical attention immediately. Surgical removal of oil may be necessary.

ALL STATEMENTS, INFORMATION, AND DATA PROVIDED IN THIS MATERIAL SAFETY DATA SHEET ARE BELIEVED TO BE ACCURATE AND RELIABLE, BUT ARE PRESENTED WITHOUT GUARANTEE, REPRESENTATION, WARRANTY, OR RESPONSIBILITY OF ANY KIND, EXPRESSED OR IMPLIED. ANY AND ALL REPRESENTATIONS AND/OR WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY DISCLAIMED. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION OR PRODUCTS FOR THEIR PARTICULAR PURPOSE. NOTHING CONTAINED HERE IN IS INTENDED AS PERMISSION, INDUCEMENT OR RECOMMENDATION TO VIOLATE ANY LAWS OR TO PRACTICE ANY INVENTION COVERED BY EXISTING PATENTS, COPYRIGHTS OR INVENTIONS.