



Mr. Sandman Inc.

Industrial Equipment & Sandblasting Supplies

- Service
- Sales
- Rentals

697 Ahua Street, Honolulu, HI 96819-2002

MATERIAL SAFETY DATA SHEET

CHS Inc. Transportation Emergency (CHEMTREC): 1-800-424-9300

P.O. Box 64089 Technical Information: 1-651-355-8443

Mail station 525 MSDS Information: 1-651-355-8438

St. Paul, MN 55164-0089

PRODUCT NAME: Type F ATF MSDS: 0116-D3X0 - Rev. D (12/31/03)

COMMON NAME: Automatic Transmission Fluid **CHEMICAL FORMULA:** Mixture

CHEMICAL NAME: Lubricating Oil **CHEMICAL FAMILY:** Hydrocarbon

INGREDIENTS PERCENTAGES PEL (OSHA) TLV (ACGIH) CAS #

(by weight)

Oil, Solvent Neutral 90-95% N/A 5 mg/m³ TWA (Oil Mist) 64742-65-0

Performance Additives Proprietary

(TWA) - Time Weighted Average is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded.

(STEL) - Short Term Exposure Limit is the employee's 15-minute time weighted average exposure which shall not be exceeded at any time during a work day unless another time limit is specified.

EMERGENCY OVERVIEW

POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY: (Eye Contact, Dermal, Inhalation.)

ACUTE EFFECTS OF OVER EXPOSURE:

Eyes - Contact with eyes may cause irritation.

Skin - Contact with skin may cause irritation.

Inhalation - May cause irritation of the nose and throat.

Ingestion - May cause nausea and vomiting. Large quantities may effect the central nervous system.

CHRONIC EFFECTS OF OVER EXPOSURE: No adverse effects anticipated.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Existing dermatitis and respiratory conditions.

CARCINOGENICITY: NTP: No IARC: No OSHA: No

Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Section 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Section 3 - HAZARDS IDENTIFICATION

Type F A.T.F.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact - If material comes in contact with the eyes, immediately wash the eyes with large amounts of water for fifteen

minutes, occasionally lifting the lower and upper lids. Get medical attention.

Skin Contact - If the material comes in contact with the skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash the skin with soap and water promptly. If irritation persists after washing, get medical attention immediately.

Inhalation - If person breathes in large amounts of material, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the person warm and at rest. Get medical attention as soon as possible.

Ingestion - If material has been swallowed, do not induce vomiting. Get medical attention immediately.

FLASH POINT: >350°F (>176°C) **AUTO IGNITION TEMP:** >500°F

FLAMMABLE LIMITS IN AIR LOWER UPPER

% BY VOLUME N/A N/A

EXTINGUISHING MEDIA: Use water spray to cool fire exposed surfaces and to protect personnel. Use foam, dry chemical or water spray (fog) to extinguish fire.

SPECIAL FIRE FIGHTING PROCEDURES: When fighting fires wear full turnout gear and self contained breathing apparatus. Water may cause splattering. Material floats on water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumes gases or vapors may evolve on burning.

HAZARD RATINGS: NFPA 704: Health- 1 Fire- 1 Reactivity- 0

HMIS: Health- ___ Fire- ___ Reactivity- ___

STEPS TO TAKE IF MATERIAL IS RELEASED OR SPILLED: Personal protective equipment should be worn. Ventilate area if confined or poorly ventilated. Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil.

Avoid contact with skin and eyes.

HANDLING AND STORING: Store in closed container away from all ignition sources. Handling temperatures should not exceed 175°F (80°C). Wash thoroughly after handling. Do not store at temperatures exceeding 113°F (45° C). Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Open containers carefully and only in well ventilated areas or use appropriate respiratory protection. Store in well ventilated area.

Section 4 - FIRST AID MEASURES

Section 5 - FIRE - FIGHTING MEASURES

Section 6 - ACCIDENTAL RELEASE MEASURES

Section 7 - HANDLING AND STORAGE

Type F A.T.F.

ENGINEERING CONTROLS: Ventilate to control mists and vapors below exposure limits.

RESPIRATORY EQUIPMENT: Normally not required, if exposure limits are exceeded use a Niosh approved organic vapor respirator. Self contained breathing apparatus is recommended for entry into confined spaces or other poorly ventilated areas and for large spill clean-up sites.

EYE PROTECTION: Chemical goggles or face shield recommended to minimize eye contact.

PROTECTIVE CLOTHING: Impervious (nitrile) gloves recommended when handling material to minimize exposure. Long sleeve shirts, chemically protective aprons and chemically protective boots are recommended for contact exposure or spill clean-up. Do not wear watches, rings or similar apparel that could entrap the material next to the skin.

OTHER (SAFETY SHOWERS, EYE WASH STATIONS, ETC.): Water should be available for flushing and washing when exposure exists. Launder soiled clothes. Discard shoes or other leather articles saturated with the material.

APPEARANCE: Red dyed liquid **ODOR:** Mild odor

BOILING POINT: N/D **SPECIFIC GRAVITY (water=1):** 0.8900 - 0.9100

VAPOR PRESSURE: <1 mm Hg 68° F **VAPOR DENSITY (air=1):** N/D

SOLUBLE IN WATER: Insoluble **EVAPORATION RATE (ether=1):** <1

pH: N/D

STABILITY:

STABLE X (At room temperature and pressure. See handling and storage section)

UNSTABLE

INCOMPATIBILITY -

CONDITIONS TO AVOID: See handling and storage section.

MATERIALS TO AVOID: Acids, oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, carbon monoxide, aldehydes, hydrogen sulfide and alkyl mercaptans may be released. Under combustion conditions, oxides of the following elements will be formed:

Magnesium, calcium, nitrogen, sulfur, carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

Note: CHS has not conducted specific toxicity tests on this product.

Note: CHS has not conducted specific ecological tests on this product.

Section 8 - EXPOSURE CONTROL - PERSONAL PROTECTION

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Section 10 - STABILITY AND REACTIVITY

Section 11 - TOXICOLOGY INFORMATION

Section 12 - ECOLOGICAL INFORMATION

Type F A.T.F.

WASTE DISPOSAL PROCEDURES: Place contaminated materials in a disposable container and dispose of in accordance with Local, State and Federal environmental regulations.

DOT PROPER SHIPPING NAME: N/A **DOT HAZARD CLASS:** N/A

DOT IDENTIFICATION NUMBER: N/A **DOT EMER. RESPONSE GUIDE NO.:** N/A

This product (**does/not**) contain toxic chemicals subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS Number Chemical Name Percent by Weight

NA Zinc compounds 0.04% as Zinc

108-88-3 Toluene 0.01%

SARA SECTION 311-312 HAZARD CATEGORIES (40 CFR 370.2):

FIRE: No **SUDDEN RELEASE OF PRESSURE:** No **REACTIVE:** No **ACUTE:** No **CHRONIC:** No

Prepared By: Hue Lam DATE: December 31, 2003

Title: EHS Compliance Specialist Supersedes: October 26, 2001

Reason for Issue: Company Name Change

THE INFORMATION CONTAINED IN THIS MSDS RELATES ONLY TO THE SPECIFIC MATERIAL IDENTIFIED. IT DOES NOT COVER USE

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Section 13 - DISPOSAL CONSIDERATION

Section 14 - TRANSPORTATION

Section 15 - REGULATORY INFORMATION

Section 16 - OTHER INFORMATION