

# MATERIAL SAFETY DATA SHEET

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## HMIS HAZARD RATING

HEALTH	1
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	X

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By: R. Lauterbach

### SECTION I: PRODUCT IDENTIFICATION

Product Name: **TECTYL® 848DHF**  
Product Code: 3144000  
General or Generic ID: SOLVENT BASED RUST PREVENTIVE

### SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

Component	Wt. %	Recommended Exposure Limits
Aliphatic Petroleum Distillates CAS #64742-88-7	55-65	OSH PEL: 100 ppm ACGIH TLV: 100 ppm
Hydrotreated Heavy Naphthenic Distillate CAS #64742-52-5	14-24	OSHA PEL: 5 mg/m <sup>3</sup> ACGIH TLV: 5 mg/m <sup>3</sup>
Zinc Soap CAS #68918-69-4	5-10	None Established
Sodium Petroleum Sulfonate CAS #78330-12-8	5-10	None Established

### SECTION III: HAZARDS IDENTIFICATION

**Eye:** Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

**Skin:** Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects)

**Swallowing:** Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage.

**Inhalation:** Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Symptoms of Exposure: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea)

irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness)

**Target Organ Effects:** Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans, and may aggravate pre-existing disorders of these organs: central nervous system effects.

**Developmental Information:** No data

**Cancer Information:** No data

**Other Health Effects:** No data

**Primary Route(s) of Entry:** Inhalation, Skin contact.

#### SECTION IV: FIRST AID MEASURES

**Eyes:** If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

**Skin:** Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

**Swallowing:** Do not induce vomiting. This material is an aspiration hazard. If individual is drowsy or unconscious, place on left side with the head down. Seek medical attention. If possible, do not leave individual unattended.

**Inhalation:** If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

**Note to Physicians:** This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See section 2 - Swallowing) when deciding whether to induce vomiting.

#### SECTION V: FIRE FIGHTING MEASURES

**Flash Point:** > 140 °F (60 °C) PMCC

**Explosive Limit (for component):** Lower 1.0 Upper 6.0 %

**Autoignition Temperature:** No data

**Hazardous Products of Combustion:** May form: carbon dioxide and carbon monoxide, sulfur compounds, various hydrocarbons.

**Fire and Explosion Hazards:** Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

**Extinguishing Media:** regular foam, carbon dioxide, dry chemical.

**Fire Fighting Instructions:** Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

#### SECTION VI: ACCIDENTAL RELEASE MEASURES

**Small Spill:** Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Absorb liquid on vermiculite, floor absorbent or other absorbent material.

**Large Spill:** Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If run-off occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

## SECTION VII: HANDLING AND STORAGE

**Handling:** Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid); all hazard precautions given in the data sheet must be observed. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred.

**Storage:** Not applicable

## SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eye Protection:** Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

**Skin Protection:** Wear resistant gloves such as: neoprene, nitrile rubber. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**Respiratory Protections:** If workplace exposure limit(s) of product or any component is exceeded (See Exposure Guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (consult your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

**Engineering Controls:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

## SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (for component):	355 °F (179.4 C) @ 760 mmHg
Vapor Pressure (for component):	.500 mmHg @ F
Specific Vapor Density:	51 @ Air=1
Specific Gravity:	.829 @ 60 °F
Liquid Density:	6.9 lbs/gal @ 77 °F .829 Kg/l @ 15.6 °C
Percent Volatiles (Including Water):	62.5 - 68
Volatile Organic Compounds (VOC) (Calculated):	566 g/l 4.72 lbs/gal
Evaporation Rate:	Slower Than Ethyl Ether
Appearance:	No data
State:	Liquid
Physical Form:	No data
Color:	No data
Odor:	No data
pH:	Not applicable

## SECTION X: STABILITY AND REACTIVITY

**Hazardous Polymerization:** Product will not undergo hazardous polymerization.

**Hazardous Decomposition:** May form: carbon dioxide and carbon monoxide, sulfur compounds, various hydrocarbons.

**Chemical Stability:** Stable.

**Incompatibility:** Avoid contact with: strong oxidizing agents.

## SECTION XI: DISPOSAL CONSIDERATION

**Waste Management Information:** Dispose of in accordance with all applicable local, state and federal regulations.

**SECTION XII: TRANSPORT INFORMATION**

DOT Information — 49 CFR 172.101

DOT Description: Not Regulated

Container/Mode: DRUMS/STJRFACE — NO EXEMPTIONS

NOS Component: PETROLEUM NAPHTHA

RQ (Reportable Quantity) — 49 CFR 172.101: Not applicable

**SECTION XIII: REGULATORY INFORMATION**

**US Federal Regulations**

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

**CERCLA RQ — 40 CFR 302.4**

None

**SARA 302 Components - 40 CFR 355 Appendix A**

None

**Section 311/312 Hazard Class — 40 CFR 370.2**

Immediate(X)    Delayed ( )    Reactive ( )    Fire (X)    Sudden Release of Pressure ( )

**SARA 313 Components — 40 CFR 372.65**

Section 313 Component(s)

CAS Number

%

Zinc Salt Of Oxidized Petrolatum

68918-69-4

5-10

**International Regulations Inventory Status**

Not determined

**State and Local Regulations**

California Proposition 65

None

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Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.