

# 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® 506 EH 2.8**  
Product Code: 3117000  
Chemical Family: Solvent-based rust preventative

### SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

Component	Wt%	Recommended Exposure Limits (TWA)
Calcium Salt Of Oxidized Petrolatum CAS #68425-34-3	50-55	None Established
Residual oils, petroleum, solvent refined CAS #64742-01-4	13-16	ACGIH TLV: 5 mg/m <sup>3</sup>
Aliphatic Hydrocarbons (Stoddard Type) 8052-41-3	7-10	OSHA PEL: 100 ppm ACGIH TLV: 100 ppm

### SECTION III: HAZARDS IDENTIFICATION

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

**Skin:** May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns

**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 of Exposure:** 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:** No data

#### SECTION V: FIRE FIGHTING MEASURES

**Flash Point:** 106 °F (41.1 °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 may be used to extinguish fire by cooling, and diluting liquid with water. 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 runoff 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. 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

<b>Boiling Point:</b> (for component)	315 °F (157.2 °C)
<b>Vapor Pressure:</b> (for component)	2 mmHg
<b>Specific Vapor Density:</b>	>1 @ AIR=1
<b>Liquid Density:</b>	7.3 lbs/gal @ 77 °F
<b>Percent Volatiles (Including Water):</b>	30 - 45
<b>Evaporation Rate:</b>	SLOWER THAN ETHYL ETHER
<b>Appearance:</b>	No data
<b>State:</b>	LIQUID
<b>Physical Form:</b>	HETEROGENEOUS SOLUTION
<b>Color:</b>	Not Specified
<b>Odor:</b>	No data
<b>pH:</b>	Not applicable
<b>VOC:</b>	<2.8 lb.gal

#### 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: TOXICOLOGICAL INFORMATION

None known.

#### SECTION XII: ECOLOGICAL INFORMATION

None known.

#### SECTION XIII: DISPOSAL CONSIDERATION

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

#### SECTION XIV: TRANSPORT INFORMATION

**DOT Information — 49 CFR 172.101**

**DOT Description:** Not Regulated

**Container/Mode:** DRUMS/SURFACE — NO EXEMPTIONS

**NOS Component:** ALIPHATIC HYDROCARBONS (STODDAIRD TYPE)

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

**SECTION XV: 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 ( )                      Fire(X)    Reactive ( )    Sudden Release of Pressure ( )

**SARA 313 Components — 40 CFR 372.65**

None

**International Regulations**

Inventory Status

DSL (Canada) The intentional ingredients of this product are listed.

**State and Local Regulations**

California Proposition 65

None

**New Jersey RTK Label Information**

STODDARD SOLVENT 8052-41-3

**Pennsylvania RTK Label Information**

STODDARD SOLVENT                      8052-41-3

**WHMIS CLASSIFICATION: B3, D2B**

**SECTION XVI: OTHER INFORMATION**

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.