

# MATERIAL SAFETY DATA SHEET

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## HMIS HAZARD RATING

HEALTH	1
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	X

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Revised: July 24, 2006  
By: R. Lauterbach

## SECTION I: PRODUCT IDENTIFICATION

Product Name: **TECTYL® 511M Class II**  
Chemical Family: Petroleum Based Rust Preventative

## SECTION II: HAZARDOUS INGREDIENTS

Component	Wt%	Recommended Exposure Limits (TWA)
Aliphatic Petroleum Distillates CAS #64742-65-0	43-53	OSHA PEL: 5 mg/m <sup>3</sup> (oil mist) ACGIH TLV: 5 mg/m <sup>3</sup> (oil mist)
Aliphatic Hydrocarbons (Stoddard Type) CAS #8052-41-3	22-32	OSHA PEL: 100 ppm ACGIH TLV: 100 ppm
Petrolatum, Petroleum, oxidized, Zinc salt. CAS #68918-69-4	7-17	None Established
Petroleum Sulfonate CAS #78330-12-8	5-15	None Established
Ethylene Glycol Monopropyl Ether CAS #2807-30-9	1-7	None Established
Aliphatic Propylene Glycol Ether	1-6	None Established

## SECTION III: HEALTH HAZARD INFORMATION

**Eyes:** 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 of Exposure:** stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) , central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) , and death.

**Target Organ Effects:** Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals, and may aggravate pre-existing disorders of these organs in humans: blood abnormalities, liver abnormalities, spleen damage, eye damage, kidney damage, 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:** This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

**Cancer Information:** No data

**Other Health Effects:** No data

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

#### SECTION IV: FIRST AID PROCEDURES

**Eyes:** If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek 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 keep fire-exposed containers cool until fire is out. 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:** 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. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

## 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, Wear normal work clothing covering arms and legs.

**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):	315 °F (157.2 °C)
Vapor Pressure (for component):	2 mmHg
Specific Vapor Density:	>1 @ AIR=1
Specific Gravity:	.857 @ 60.°F
Liquid Density:	7.14 lbs/gal @ 60 °F (.857 Kg/l @ 15.6 °C)
Percent Volatiles (Including Water):	25 - 30
Volatile Organic Compounds (VOC) (Calculated):	2.8 lbs/gal
Evaporation Rate:	SLOWER THAN ETHYL ETHER
Appearance:	No data
State:	LIQUID
Physical Form:	No data
Color:	AMBER
Odor:	No data
pH:	No data

## 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:** COMBUSTIBLE LIQUID, N.O.S.,III  
**Container/Mode:** DRUMS/SURFACE - NO EXEMPTIONS  
**NOS Component:** ALIPHATIC HYDROCARBONS (STODDARD TYPE)  
ALIPHATIC PROPYLENE GLYCOL ETHER  
**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(X) Fire(X) Reactive ( ) Sudden Release of Pressure ( )

**SARA 313 Components — 40 CFR 372.65**

<u>Section 313 Component(s)</u>	<u>CAS Number</u>	<u>Max %</u>
ETHYLENE GLYCOL MONOPROPYL ETHER	28 07-3 0-9	2

**International Regulations**

Inventory Status: Not determined

**State and Local Regulations**

California Proposition 65 - None

**New Jersey RTK Label Information**

STODDARD SOLVENT	8052-41-3
ETHYLENE GLYCOL MONOPROPYL ETHER	2807-30-9

**Pennsylvania RTK Label Information**

STODDARD SOLVENT	8052-41-3
ETHYLENE GLYCOL MONOPROPYL ETHER	2807-30-9

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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.

**WHMIS CLASSIFICATION: B3, D2B**

\*\*\*\*\* EXPORT HAZ MAT DESCRIPTON \*\*\*\*\*

**UN1993, FLAMMABLE LIQUIDS N.O.S., (Naphtha Solvent), 3, PGIII**