

MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING

HEALTH	1
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	D

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By: R. Lauterbach

SECTION I: PRODUCT IDENTIFICATION

Product Name: **TECTYL® 477/10L**
General or Generic ID: PETROLEUM BASED RUST PREVENTATIVE

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient(s)</u>	<u>Wt. %</u>	<u>Recommended Exposure Limits (TWA)</u>
Aliphatic Petroleum Distillates CAS #64742-52-5	95-97	None Established
Sulfonic acids, petroleum, Sodium salts CAS # 68608-23-4	1-5	None Established
Zinc Soap CAS #68918-69-4	1-5	None Established

SECTION III: HEALTH HAZARD INFORMATION

Eye: May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

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.

Symptoms of Exposure: Stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways)

Target Organ: Effects No data

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 PROCEDURES

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 AND EXPLOSION HAZARD DATA

Flash Point: >275°F (135.0°C) PMCC

Explosive Limit: No data

Autoignition Temperature: No data

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

Fire and Explosion Hazards: 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: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Small Spill: Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill: 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. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

SECTION VII: SAFE HANDLING INFORMATION

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.

Storage: Not applicable

SECTION VIII: EXPOSURE CONTROLS

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.

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (for component):	> 550 °F (287.7 C) @ 760 mmHg
Vapor Pressure (for component):	< .060 mmHg @ 68 °F
Specific Vapor Density	No data
Specific Gravity	.875 60°F
Liquid Density:	7.360 lbs/gal @ 60 °F .875 kg/l @ 25 °C
Percent Volatiles (Including Water):	34-36
Evaporation Rate:	SLOWER THAN ETHYL ETHER
Appearance:	NON-GRAINY
State:	LIQUID
Physical Form:	No data
Color:	TRANS PARENT
Odor:	No data
PH:	Not applicable

SECTION X: REACTIVITY HAZARD DATA

Hazardous Polymerization: Product will not undergo hazardous polymerization.

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

Chemical Stability: Stable.

Compatibility: Avoid contact with: strong oxidizing agents.

SECTION XI: TOXICOLOGICAL INFORMATION

None known.

SECTION XII: ECOLOGICAL INFORMATION

None known.

SECTION XIII: DISPOSAL CONSIDERATIONS

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

SECTION XIV: TRANSPORTATION INFORMATION

Rust Inhibitor, Non-Hazardous

SECTION XV: REGULATORY INFORMATION

Volatile Organic Content: (Calculated Values)

VOC per gallon:

0 lbs/gal

EPA Hazardous Waste Number(s) (40 CFR Part 261):

EPA Hazard Category (40 CFR Part 370):

IMMEDIATE (ACUTE)

SARA TITLE III:

This product contains the following TOXIC CHEMICALS subject to the *Reporting Requirements of Sec. 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986*, and of 40 CFR Part 372:

Chemical	CAS No.	Wt%
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None

This product contains the following EXTREMELY HAZARDOUS SUBSTANCE(S) subject to *Emergency Planning Requirements* under Sec. 301-303 (40 CFR Parts 300 and 355) and *Emergency Release Notification Requirements* under Sec. 304:

Chemical	CAS No.	Wt%	RQ/TPQ Lbs
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None

This product contains the following (CERCLA LIST) HAZARDOUS SUBSTANCE(S) subject to *Emergency Release Notification Requirements* under Sec. 304 (40 CFR Part 302):

Chemical	CAS No.	Wt%	Final RQ Lbs
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None

CALIFORNIA PROPOSITION 65:

This product may contain trace quantities of chemicals that are identified by the State of California under the Safe Drinking Water and Toxic Reinforcement Act of 1986 ("Proposition 65") as either a carcinogenic or reproductive hazard:

SECTION XVI: OTHER INFORMATION

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.