

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: CHEMICAL IDENTIFICATION

Product Name: **TECTYL® 810**
General or Generic ID: Petroleum Based Rust Preventative

SECTION II: HAZARDOUS INGREDIENTS

Component	Wt%	Recommended Exposure Limits (TWA)
Aliphatic Petroleum Distillates CAS #64742-52-5	68-79	OSHA PEL: 5 mg/m ³ ACGIH TLV: 5 mg/m ³
Organic Salt	10-20	None Established
Chlorinated Hydrocarbon CAS #61788-76-9	1-10	None Established
Triethanolamine CAS #102-71-6	1-8	ACGIH TLV: 5 mg/m ³
Corrosion Inhibitor	1-7	None Established

SECTION III: HAZARDS IDENTIFICATION

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 MEASURES

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, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.
Note to Physicians: No data

SECTION V: FIRE FIGHTING MEASURES

Flash Point: > 325.0 °F (162.7 °C) COC

Explosive Limit: No data

Autoignition Temperature: No data

Hazardous Products of Combustion: May form: carbon dioxide and carbon monoxide, 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. Dense smoke may be generated while burning.

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: 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: 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. Combination of nitrites or oxides of nitrogen with secondary or tertiary amines can form nitrosamines which are potential carcinogens.

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

Boiling Point:	No data
Vapor Pressure:	No data
Specific Vapor Density:	No data
Specific Gravity:	.925 @ 60 °F
Liquid Density:	7.71 lbs/gal @ 77 °F .925 kg/l @ 25 °C
Percent Volatiles (Including Water):	.0 - 2 %
Volatile Organic Compounds (VOC) (Maximum):	28 g/l .230 lbs/gal
Evaporation Rate:	Slower Than Ethyl Ether
Appearance:	No data
State:	Liquid
Physical Form:	No data
Color:	Amber
Odor:	No data
pH:	8.8 - 9.2 @ 5% emulsion

SECTION X: STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.
Hazardous Decomposition: May form: carbon dioxide and carbon monoxide, various hydrocarbons.
Chemical Stability: Stable. This product should not be heated above 140 °F (60 °C) in the presence of aluminum due to excessive corrosion and potential chemical reaction releasing flammable hydrogen gas.
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: None

RQ (Reportable Quantity) — 49 CFR 172.101
Product Quantity (lbs) Component
6536 TRIETHANOLAMINE

SECTION XV: REGULATORY INFORMATION

Volatile Organic Content: (Calculated Values)

VOC per gallon: 0.23 lbs/gal

EPA Hazardous Waste Number(s) (40 CFR Part 261): Not Applicable

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:

<u>Chemical</u>	<u>CAS No.</u>	<u>Wt%</u>
Barium Compounds	7440-39-3	

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:

<u>Chemical</u>	<u>CAS No.</u>	<u>Wt%</u>	<u>RQ/TPQ Lbs</u>
NONE			

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

<u>Chemical</u>	<u>CAS No.</u>	<u>Wt%</u>	<u>Final RQ Lbs</u>
NONE			

CALIFORNIA PROPOSITION 65:

This product may contain trace quantities of the following 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:

<u>Chemical</u>	<u>CAS No.</u>	<u>Estimated Concentration %</u>
NONE		

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.