

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® 823 EM**
General or Generic ID: Petroleum Based Rust Preventive

SECTION II: HAZARDOUS INGREDIENTS

<u>Component</u>	<u>Wt. %</u>	<u>Recommended Exposure Limits</u>
Residual oils, petroleum, solvent refined CAS #64742-01-4	70-75	OSHA PEL: 5 mg/m ³ (oil mist) ACGIH TLV: 5 mg/m ³ (oil mist)
Aliphatic Petroleum Distillates CAS #64742-65-0	1-6	OSHA PEL 5 mg/m ³ - TWA Oil Mist ACGIH TLV 5 mg/m ³ - TWA Oil Mist
Sodium Sulfonate CAS #68608-26-4	1-8	None Established

SECTION III: HAZARDS IDENTIFICATION

Eye: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.
Skin: May cause mild skin irritation. Symptoms may include redness and burning of skin. 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.
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, 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, 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: >395 °F (202 °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.

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: 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.

Storage: Not applicable

SECTION VIII: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses in compliance with OSHA regulations. (Consult your safety representative.)

Skin Protection: Wear resistant gloves such as: neoprene. 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: Not applicable

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	No Data
Vapor Pressure:	No Data
Specific Vapor Density:	>1 @ Air=L
Specific Gravity:	.89 @ 60 °F
Liquid Density:	7.4 Lbs/Gal @ 60 °F
Evaporation Rate:	<1 (BuAc=1)
Appearance:	No Data
State:	Liquid
Physical Form:	No Data
Color:	Amber
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, 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: Contaminated absorbent may be deposited in a landfill in accordance with local, state and federal regulations. Destroy by incineration in accordance with applicable 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: Not applicable

SECTION XV: REGULATORY INFORMATION

Volatile Organic Content: (Calculated Values)

VOC per gallon:

0 lbs. /gal

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

N/A

EPA Hazard Category (40CFR 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 40CFR Part 372:*

CHEMICAL	CAS NO.	WT %
NONE		

NONE

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

CHEMICAL	CAS NO.	WT %	RQ/TPQ Lbs
NONE			

NONE

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

CHEMICAL	CAS NO.	WT %	Final RQ Lbs
NONE			

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:

CHEMICAL	CAS NO.	Estimated Concentration %
NONE		

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.