

MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING

HEALTH	1
FIRE	0
REACTIVITY	0
PERSONAL PROTECTION	D

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By: S. Grazys

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **TECTYL® 3313LG**
General or Generic ID: Water Borne-Rust Preventive

SECTION 2: HAZARDOUS INGREDIENTS

Component	Wt. %	Recommended Exposure Limits
Water CAS #7732-18-5	59-69	None Established
Proprietary Resin	20-25	None Established
^[1] Carbon Black CAS #1333-86-4	<1	ACGIH TLV: 3.5 mg/m ³ OSHA PEL: 3.5 mg/m ³ (^[2] nuisance dust)
Ethylene Glycol Monobutyl Ether CAS #111-76-2	7-17	OSHA PEL: 25 ppm - TWA (Skin) ACGIH TLV: 25 ppm - TWA (Skin)
Dimethylaminoethanol (DMAE) CAS #108-01-0	1-5	OSHA PEL: None Established ACGIH TLV: None Established
Inorganic Pigment CAS # Not Available	1-8	None Established
Silicon Dioxide CAS #112926-00-8	1-3	OSHA PEL: None Established ACGIH TLV: None Established

^[1] See Section 3

^[2] This component poses a hazard only if a dust is formed, i.e., by sawing, sanding, drilling, etc.

SECTION 3: 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. Passage of this material into the body through the skin is possible, and may add to toxic effects from breathing or swallowing.

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: Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals, and may aggravate preexisting disorders of these organs in humans: blood abnormalities, liver abnormalities, anemia, spleen damage, testis damage, eye damage, kidney damage, lung damage.

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: Carbon Black has been classified by IARC as a Category 2B (known animal carcinogen, possible human carcinogen) material. This was based on the results of rat inhalation studies of carbon black, despite the lack of parallel evidence on humans or other animal species.

Other Health Effects: No data

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

SECTION 4: FIRST AID PROCEDURES

Eye: 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. Give one glass of milk or water, and get medical attention immediately. If possible, do not leave victim 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 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not applicable

Explosive Limit (for component): Lower 1.1 Upper 10.6

Autoignition Temperature: No data

Hazardous Products of Combustion: May form: carbon dioxide and carbon monoxide, 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: alcohol foam, water fog.

Fire Fighting Instructions: 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 6: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

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 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. 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 7: 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. 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 8: 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: 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 level of overexposure (from known, suspected or apparent adverse effects).

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	(for component) 212 °F (100 °C) @ 760 mmHg
Vapor Pressure(for component):	17.500 mmHg @ 68 °F
Specific Vapor Density:	No data
Specific Gravity:	1.012 @ 77 °F
Liquid Density:	8.43 lbs/gal @ 77 °F (1.013 Kg/l @ 25 °C)
Percent Volatiles (Including Water):	71 - 77
Volatile Organic Compounds (VOC) (Calculated):	1.8 lbs/gal
VOC (less water) (Calculated):	2.9 lbs/gal
Evaporation Rate:	SLOWER THAN ETHYL ETHER
Appearance:	No data
State:	LIQUID
Physical Form:	No data
Color:	Amber
Odor:	No data
pH:	8.4 - 8.8
Viscosity:	25 – 30 sec @ 77 °F

SECTION 10: REACTIVITY HAZARD DATA

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 mineral acids.

SECTION 11: DISPOSAL CONSIDERATIONS

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

SECTION 12: REGULATORY INFORMATION

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

EPA Hazard Category (40CFR Part 370): DELAYED (CHRONIC)
IMMEDIATED (ACUTE)
FIRE (COMBUSTIBLE)

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 %
Ethylene Glycol Monobutyl Ether	111-76-2	2-17

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			

(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			

CALIFORNIA PROPOSITION 65

This product contains 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.

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.