MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING	
HEALTH	1
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	D

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SECTION I: PRODUCT IDENTIFICATION

Product Name: **TECTYL® 400C**
Chemical Family: Solvent-based rust preventive
Material Usage: Corrosion Preventive Compound

SECTION II: HAZARDOUS INGREDIENTS

Component	Wt.	Recommended Exposure Limits
Calcium Salt Of Oxidized Petrolatum CAS #68425-34-3	50-55	None Established
Aliphatic Hydrocarbons (Stoddard Type) CAS #8052-41-3	40-45	OSHA PEL: 100 ppm ACGIH TLV: 100 ppm
Residual oils, petroleum, solvent refined CAS #64742-01-4	8-12	ACGIH TWA: 5 mg/m^3 STEL: 10 mg/m^3

SECTION III: HAZARDS IDENTIFICATION

Eye: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.
Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns
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)
Target Organ Effects: 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: 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, 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 ^{o}F (41.1 ^{o}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 extinguish fire by cooling, and diluting liquid with water. 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: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. 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.

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. 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: (for component)	315 ^{o}F (157.2 ^{o}C)
Vapor Pressure: (for component)	2.000 mmHg
Specific Vapor Density:	>1 @ AIR = l
Specific Gravity:	.87 @ 60 ^{o}F
Liquid Density:	7.2 lbs/gal @ 77 ^{o}F
Percent Volatiles (Including Water):	53 - 57
Volatile Organic Compounds (VOC) (Calculated):	4.11 lbs/gal
Evaporation Rate:	Slower Than Ethyl Ether
Appearance:	Non-Grainy
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, 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)

RQ (Reportable Quantity) — 49 CFR 172.101
Not applicable

SECTION XIII: REGULATORY INFORMATION

Volatile Organic Content: (Calculated Values)
VOC per gallon: 4.11 lbs/gal

EPA Hazard Category (40 CFR Part 370): IMMEDIATE (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 40 CFR Part 372:

Chemical	CAS No.	Wt%
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
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
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		

WHMIS CLASSIFICATION: B3, D2B