

# MATERIAL SAFETY DATA SHEET

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## HMIS HAZARD RATING

HEALTH	0
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	X

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By: R. Lauterbach

## SECTION I: PRODUCT IDENTIFICATION

Product Name: **Tectyl® 901EV Biodegradable lubricating rust preventative**  
Chemical Family: Modified oil soluble calcium sulfonate  
Material Usage: Rust preventative

## SECTION II: COMPOSITION

Component	CAS #
One or More Oil Soluble Calcium Sulfonates	Trade Secrets
Oxidized triglycerides	
Biodegradable synthetic esters	67784-80-9

## SECTION III: HAZARDS INFORMATION

**Hazardous Ingredients:** None  
**EU Risk phrases:**  
Symbols: None  
R phrases: None  
**Canadian WHIMS:** Not a "Hazardous Product" under WHIMS classifications.

## SECTION IV: FIRST AID MEASURES

**Immediate treatment:**  
**Eye contact:** May cause eye irritation. Flush with large amounts of water for at least 15 minutes. Call a physician.

**Skin contact:** Wash skin thoroughly with soap and water after handling. Prolonged or repeated contact may cause dermatitis (skin irritation). If hot material contacts skin, immediately cool before attempting removal. Cool with water or ice. Apply topical dressing. Severe blistered burns should be treated by a physician.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen and call a physician.

**Ingestion:** No data available. Contact a physician.

#### **NOTE TO PHYSICIANS**

**Routes of entry:** Eyes, skin, ingestion, inhalation of mist.

**Target organs:** Eyes, skin, respiratory system.

### **SECTION V: FIRE AND EXPLOSION HAZARD DATA**

**Special hazards or procedures:** This product poses no unusual fire fighting problems. It will burn if involved in a fire. Oxides of sulfur (SO<sub>2</sub>) will be given off while burning. Water spray is not a suitable extinguishing agent, it may cause fire to spread. See extinguishing media.

**Protective equipment:** As in any fire, firefighters must be equipped to prevent breathing of vapors or products of combustion.

Wear an approved self-contained breathing apparatus and protective clothing.

**Extinguishing media:** Dry chemical, water fog, CO<sub>2</sub>, foam, or sand/earth. Closed containers may be cooled with water.

### **SECTION VI: ACCIDENTAL RELEASE MEASURES**

**Procedures for spill clean-up:** Shut off leak and dike up large spills. Absorb with an inert material such as sand, soil or vermiculite Sweep up absorbent and dispose according to regulatory requirements.

### **SECTION VII: HANDLING AND STORAGE**

**Handling:** Keep drums tightly closed to prevent contamination. Avoid skin and eye contact. Wear recommended personal protection equipment. Discard or wash contaminated clothing before reuse.

**ATTENTION:** Never use pressure to empty drums.

**Storage:** Maximum storage temperature: 93 °C.

### **SECTION VIII: EXPOSURE CONTROL/PERSONAL PROTECTION**

**Ventilation required:** None normally required. Use additional ventilation if needed to control vapor concentrations particularly if a mist is generated or fumes from hot material are present.

**Respiratory protection:** None required if area adequately ventilated. Use appropriate respiratory protection if used in confined areas. If used in an application where a mist may be generated, observe a TWA/PEL of 5 mg/m<sup>3</sup> (OSHA, ACGIH) for a mineral oil mist. Use a respirator with dual organic vapor/mist and particulates cartridge if *vapor* concentration exceeds permissible exposure limit.

**Skin reaction:** Use neoprene type gloves and apron.

**Eye protection:** Wear chemical safety goggles and/or a face shield. Contact lenses should not be worn.

### **SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

Physical state at 25 °C:

Viscous liquid

Color:

Brown

Odor:

Mild petroleum

Changes in physical state at 1 bar:

No data available/none expected

Density at 16 °C (gm/cm <sup>3</sup> ):	> 1
Vapor pressure at 20 °C (mm Hg):	<0.0003
Vapor density (air=1):	Not applicable
Viscosity at 40 °C (SUS):	>100
Solubility in H <sub>2</sub> O at 25 °C:	negligible
pH( 1%):	No data available
Flash point (ASTM D-92):	> 148 °C
Autoignition temperature:	No data available
Flammability limits in air:	No data available
Volatile (by weight%):	<4%

## SECTION X: STABILITY AND REACTIVITY

This product is stable and not subject to hazardous polymerization.

**Hazardous decomposition products:** Oxides of carbon (carbon monoxide carbon dioxide), oxides of hydrogen (water), oxides of sulfur (sulfur dioxide), and oxides of calcium are all formed from burning.

**Incompatible materials:** Strong oxidizers such as hydrogen peroxide, oxidizing chlorine and bromine compounds (e.g. chlorine bleach) and chromic acid.

**Conditions to avoid:** Oxidizing agents; skin and eye contact.

## SECTION XI: TOXICOLOGICAL INFORMATION

**Acute toxicity:** May cause eye and skin irritation. The handling procedures and safety precautions in this MSDS should be followed to minimize employee exposure.

**Chronic toxicity:** No data available.

## SECTION XII: ECOLOGICAL INFORMATION

No data available.

## SECTION XIII: DISPOSAL CONSIDERATIONS

Not a hazardous waste if disposed of as is, by the definitions of the U.S. EPA. Dispose of properly complying with appropriate laws and regulations.

## SECTION XIV: TRANSPORTATION INFORMATION

**US DOT and Canadian 71130:**

Not regulated for transport unless shipped hot, at temperatures greater than 100 °C (212 °F) but below the flash point and in containers of 450 liters (119 gal US) or more. For these conditions:

**Proper shipping Name:** Elevated Temperature, Liquid, 65 Petroleum Oil, n.o.i.b.n., (at or above 100 °C 212°F) and below its flash point).

**Hazard Class:** 9

**ID Number:** UN3257

## SECTION XV: REGULATORY INFORMATION

### EU labeling:

Symbols: none

R phrases: none

S phrases: 36/37/39 'wear suitable clothing protective /wear suitable gloves/wear eye/face protection'

24/25 'avoid contact with skin' avoid contact with eyes'

26 'in case contact of with eyes rinse with plenty of water and seek medical advice'

28 (soap and water) 'after contact with skin, wash immediately with plenty of "soap and water"'

**Canadian WHIMS:** Not a "Hazardous Product" under W71-IIMS classifications.

**Chemical Inventory Information:** All the components of this product are listed in the following chemical inventories: TSCA (United States) ETNECS (European Union). ENCS (Japan), AICS (Australia), DSL (Canada).

## SECTION XVI: OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. The information shall not be regarded as legally binding assurance of certain properties or suitability for a particular application.

**Comments:** This product has not been tested in long term, chronic exposure, therefore, the handling procedures and safety precautions in the MSDS should be followed to minimize employee exposure.

### **Label Information for the United States:**

**CAUTION:** May cause skin and eye irritation. Do not swallow. Avoid eye and skin contact. Wash thoroughly after handling. Avoid contact with clothing. Wash clothing before reuse. Keep out of reach of children. Keep containers tightly closed when not in use. Avoid breathing mists or sprays of this product or its solutions.

### **EMERGENCY FIRST AID PROCEDURES**

**Eye contact:** Flush with large amounts of water for at least 15 minutes. Call a physician.

**Skin contact:** Wash skin thoroughly with soap and water after handling. If hot material contacts skin, immediately cool before attempting removal. Cool with water or ice. Apply topical dressing. Severe blistered burns should be treated by a physician.

**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen and call a physician.

**Ingestion:** Call a physician. Induce vomiting if victim is conscious. Never give anything by mouth to an unconscious person.

FOR INDUSTRIAL USE ONLY. SEE SAFETY DATA SHEET FOR DETAILED INFORMATION.

**ATTENTION:** Never use pressure to empty container, a drum is not a pressure vessel. When empty, drum may have vapor or product residue. Residual vapors may explode on ignition; do not puncture, drill, grind, or weld on or near this container.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. The information shall not be regarded as legally binding assurance of certain properties or suitability for a particular application.