

MATERIAL SAFETY DATA SHEET

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HMIS HAZARD RATING

| | |
|---------------------|---|
| HEALTH | 1 |
| FIRE | 1 |
| REACTIVITY | 0 |
| PERSONAL PROTECTION | X |

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By: R. Lauterbach

SECTION I: PRODUCT IDENTIFICATION

Product Name: **TECTYL® 714**
General or Generic ID: Petroleum Based Rust Preventative

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

| Component | Wt% | Recommended Exposure Limits (TWA) |
|---|-------|---|
| Distillates (petroleum), hydrotreated Heavy naphthenic CAS #64742-52-5 | 75-80 | None Established |
| Distillate (petroleum) straight run or Hydrotreated, middle CAS #64742-46-7 or 64741-44-2 | 10-15 | OSHA PEL: 5 mg/m ³ ACGIH TLV: 5 mg/m ³ |
| Sodium Petroleum Sulfonate CAS #68608-26-4 | 1-11 | None Established |
| Zinc Soap CAS #68918-69-4 | 3-5 | 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 PROCEDURES

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 AND EXPLOSION HAZARD DATA

Flash Point: 275 °F (135 °C) PMCC
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: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

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 upon sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

SECTION VII: 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.
Storage: Not applicable

SECTION VIII: 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: 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) > 550 °F (287.7 °C) @ 760 mmHg |
| Vapor Pressure | (for component) < .06 mmHg @ 68 °F |
| Specific Vapor Density | No data |
| Specific Gravity | .903 @ 60 °F |
| Liquid Density: | 7.520 lbs/gal @ 77 °F (.903 Kg/l @ 15.60 °C) |
| Percent Volatiles (Including Water): | 27- 31 |
| Volatile Organic Compounds (VOC) (Calculated): | 261 g/l (2.18 lbs/gal) |
| Evaporation Rate: | Slower Than Ethyl Ether |
| Appearance: | No data |
| State: | Liquid |
| Physical Form: | No data |
| Color: | No data |
| Odor: | No data |
| pH: | Not applicable |

SECTION X: 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 oxidizing agents.

SECTION XI: TOXICOLOGICAL INFORMATION

None known.

SECTION XII: ECOLOGICAL INFORMATION

None known.

SECTION XIII: DISPOSAL CONSIDERATIONS

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 EXCEPTIONS
NOS Component: None

RQ (Reportable Quantity) - 49 CFR 172.101: Not applicable

SECTION XV: REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4: None

SARA 302 components - 40 CFR 355 Appendix A: None

Section 311/312 Hazard Class - 40 CFR 370.2

Immediate() Delayed () Fire() Reactive() Sudden Release of Pressure()

SARA 313 components - 40 CFR 372.65

Zinc Compounds 7440-66-6

International Regulations: Inventory Status - Not determined

State and Local Regulations California Proposition 65: 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.