

# Safety Data Sheet



Stock Number: 3008045  
Revision Date: 01-07-2019  
Replaces: 08-04-2016

## TECTYL® 482

### 1. Identification

**Product identifier used on the label:** TECTYL® 482  
**Stock Number:** 3008045

**Other means of identification:**  
**Synonyms:** None  
**Chemical family:** Mixture

**Recommended use of the chemical and restrictions on use:**  
**Recommended use:** Corrosion Preventive Compound  
**Restrictions on use:** Uses other than those described above

**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:** Daubert Chemical Company  
4700 S. Central Avenue  
Chicago, IL 60638

**Telephone number:** 708-496-7350  
**E-mail address:** SDS@Daubert.com  
**Emergency phone number:** Chemtrec: (800) 424-9300

### 2. Hazard(s) identification

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

**GHS Classification:** Hazardous to the aquatic environment - Acute Category 3; Flammable Liquid Category 4

**Signal Word:** Warning

**Hazard Statements:** Combustible Liquid  
Harmful to aquatic life

**Unclassified Hazards (HNOC)::** None Identified

**Precautionary Statements:**  
**Prevention:** Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** In case of fire: Use appropriate media to extinguish.

**Storage:** Store in a well-ventilated place. Keep cool.

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**Disposal:** Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

**Hazards not otherwise classified:** No data available

### 3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Ethylene glycol mono-n-butyl ether	None	111-76-2	7 - 13
Zinc Alkyldithiophosphate	None	84605-29-8	3 - 7

Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

**Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

**Eye Contact:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

**Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

**Ingestion:** Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this SDS. If vomiting occurs, lean victim forward to reduce risk of aspiration into lungs.

**Most important symptoms/effects, acute and delayed:** See Section 11

**Indication of immediate medical attention and special treatment needed, if necessary:** Consult a physician. Treat symptomatically.

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## 5. Fire-fighting measures

### Suitable (and unsuitable) extinguishing media:

**Suitable extinguishing media:** Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the fire.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition.

**Hazardous combustion products:** Oxides of carbon, Toxic gases

**Special protective equipment and precautions for fire-fighters:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Use appropriate methods for the surrounding fire.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

**Methods and materials for containment and cleaning up:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

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## 7. Handling and storage

### Precautions for safe handling:

Avoid contacting and avoid breathing the material. Use only in a well ventilated area. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Follow all SDS/label precautions even after container is emptied because it may retain product residues Do not use pressure to empty container. Use spark-proof tools and explosion-proof equipment. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

### Conditions for safe storage, including any incompatibilities:

#### Safe storage conditions:

Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition. Do not store in direct sunlight

#### Materials to Avoid/Chemical Incompatibility:

Strong oxidizing agents

## 8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH
Ethylene glycol mono-n-butyl ether	50 ppm TWA; 240 mg/m <sup>3</sup> TWA	20 ppm TWA	No data available	No data available

### Appropriate engineering controls:

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Explosion proof exhaust ventilation should be used.

Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910.

### Individual protection measures, such as personal protective equipment:

#### Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator.

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<b>Respirator Type(s):</b>	NIOSH approved air purifying respirator with organic vapor cartridge.
<b>Eye protection:</b>	Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.
<b>Skin protection:</b>	Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
<b>Gloves:</b>	Neoprene
<b>Other protective equipment:</b>	<p>Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.</p> <p>Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.</p>
<b>General hygiene conditions:</b>	Ground and bond containers when transferring material. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Follow all SDS/label precautions even after container is emptied because it may retain product residues Do not use pressure to empty container. Use spark-proof tools and explosion-proof equipment. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

## 9. Physical and chemical properties

### Appearance (physical state, color etc.):

<b>Physical state:</b>	Liquid
<b>Color:</b>	Amber
<b>Odor:</b>	Solvent Odor
	Slight
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	No data available

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**Melting point/freezing point (°C):**

**Melting Point (°C):** No data available

**Freezing point (°C):** No data available

**Initial boiling point and boiling range (°C):** No data available

**Flash Point:** 180 °F( 82 °C)

**Evaporation Rate:** No data available

**Flammability (solid, gas):** No data available

**Upper/lower flammability or explosive limits:**

**Upper flammability or explosive limits:** No data available

**Lower flammability or explosive limits:** No data available

**Vapor pressure:** 66 mmHg @ 20°C

**Vapor density:** >1 (Air=1)

**Relative density:** 0.925

**Solubility(ies):** Negligible; 0-1%

**Partition coefficient: n-octanol/water:** No data available

**Auto-ignition temperature (°C):** No data available

**Decomposition Temperature (°C):** No data available

**Viscosity:** 444 cSt @ 40°C

**Volatiles, % by weight:** 8.48

**VOC, Material, lb/gal** 0.65

**VOC, Material, grams/liter** 78

**VOC minus exempt solvents & water, g/l** 78

## 10. Stability and reactivity

**Reactivity:** Not expected to be reactive

**Chemical stability:** Hazardous polymerization will not occur.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid (e.g., static discharge, shock, or vibration):** Temperatures above flash point in combination with sparks, open flames, or other sources of ignition. Contamination.

**Incompatible materials:** Strong oxidizing agents

**Hazardous decomposition products:** Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

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## 11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):

Eye contact, Skin contact, Inhalation

Symptoms related to the physical, chemical and toxicological characteristics:

No data available

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion Toxicity:

Harmful if swallowed. Estimated to be 2.0 - 5.0 g/kg; slightly toxic

Skin Contact:

Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Inhalation Toxicity:

Can cause systemic damage.

Eye Contact:

Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

Sensitization:

None known

Mutagenicity:

No data

Reproductive and Developmental Toxicity:

No data available

Carcinogenicity:

There are no carcinogenic ingredients present at or over 0.1%.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Numerical measures of toxicity (such as acute toxicity estimates):

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethylene glycol mono-n-butyl ether	Oral LD50 Rat = 1300 mg/kg	Dermal LD50 Rat 2000 mg/kg	Inhalation LC50 (1h) Guinea pig 3.1 mg/L

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Is the hazardous chemical listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has it been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA?:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.			

## 12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): No data available

### Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Ethylene glycol mono-n-butyl ether	111-76-2	EC50(48 HR) WATER FLEA > 1550 mg/L	EC50(72HR) GREEN ALGAE = 911 mg/L	LC50(96 HR) RAINBOW TROUT = 1474 mg/L
Zinc Alkyldithiophosphate	84605-29-8	EC50(48 HR) WATER FLEA 23 mg/L	EC50(72HR) GREEN ALGAE 21 mg/L	LC50(96 HR) RAINBOW TROUT 4.5 mg/L

Persistence and degradability: No data

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects (such as hazardous to the ozone layer): No data available

## 13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: Spent or discarded material may be a hazardous waste. Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste codes / waste designations: Not applicable



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## 14. Transport information

Domestic Ground in containers <= 119 GL	Corrosion preventive/Non-Regulated
Domestic Ground in containers > 119 GL	UN1268, PETROLEUM DISTILLATES, N.O.S.,(Naphtha Solvent), Combustible liquid, PG III
Shipping name for Export, Air (IATA)	Corrosion preventive/Non-Hazardous
Shipping name for Export, Sea (IMDG)	Corrosion preventive/Non-Hazardous
Marine Pollutant?	No

## 15. Regulatory information

### Status of formula components on selected national regulatory inventories:

LIST	STATUS
TSCA	All components in this product are on the TSCA Inventory or exempt.
Canadian DSL	One or more chemical substances in this material are on the Canadian NDSL and the remainder are included on the Canadian DSL or are exempt.

Chemical Name	CAS #	Regulation	Percent
Myrcene	123-35-3	Prop. 65 - Cancer	TRACE
Toluene	108-88-3	Prop. 65 - Developmental and/or Reproductive	TRACE
No CERCLA-listed chemicals in this product.		CERCLA	
Glycol ethers (N230)	111-76-2	SARA 313	7 - 13
Zinc Compounds	84605-29-8	SARA 313	3 - 7
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

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## 16. Other information, including date of preparation or last revision.

SDS Prepared by: DAUBERT\HALINSKI

Revision Date: 01-07-2019

Revision Number: 15

Reason for revision: Reviewed  
Approved: M. Longo

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