

Safety Data Sheet



Stock Number: 3004000
Revision Date: 01-09-2018
Replaces: 11-14-2016

TECTYL® 282

1. Identification

Product identifier used on the label: TECTYL® 282
Stock Number: 3004000

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.

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

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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	3 - 7
Oxidate	None	Proprietary	3 - 7
Dinonylnaphthalenesulfonic acid calcium salt	None	57855-77-3	1 - 5

One or more hazardous ingredient(s) is claimed as a trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS.

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:** If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
- Eye Contact:** Immediately 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 and monitor the eye daily as advised by your physician.
- 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

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.

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: Collect and discard in accordance with local, state and national regulations.

7. Handling and storage

Precautions for safe handling: Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions: Store in a cool dry place. Isolate from incompatible materials.

Materials to Avoid/Chemical Incompatibility: Strong oxidizing agents, Acids, Strong reducing agents

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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 ³ 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:

Proper ventilation (at a minimum) will be required when handling this product. Use respirators (NIOSH approved) only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. 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.

Eye protection:

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.

Skin protection:

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.

Gloves:

Chemically resistant gloves

Other protective equipment:

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.

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.

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General hygiene conditions: Wear protective gloves/protective clothing/eye protection/face protection.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state: Liquid

Color: Amber

Odor: Solvent Odor

Slight

Odor Threshold: No data available

pH: No data available

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: 192 °F(85 °C)

Evaporation Rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits:

Upper flammability or explosive limits: 10.6

Lower flammability or explosive limits: 1.1

Vapor pressure: 0.66 mmHg @ 20°C

Vapor density: No data available

Relative density: 0.89

Solubility(ies): Not determined

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

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

Decomposition Temperature: No data available

Viscosity: 55 cSt @ 40°C

Volatiles, % by weight: 11.14

VOC, Material, lb/gal 0.83

VOC, Material, grams/liter 99

VOC minus exempt solvents & water, g/l 99

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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):	Contamination.
Incompatible materials:	Strong oxidizing agents, Acids, Strong reducing agents
Hazardous decomposition products:	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

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
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Symptoms related to the physical, chemical and toxicological characteristics:	No data available
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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:	Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.
Sensitization:	None known
Mutagenicity:	No data
Reproductive and Developmental Toxicity:	No data available

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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
Dinonylnaphthalenesulfonic acid calcium salt	Oral LD50 Rat > 2500 mg/kg	Dermal LD50 Rabbit > 10000 mg/kg	Inhalation LC50 (1h) Rat > 9000 mg/L

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
There are no components that are known or reported to cause cancer			

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
Dinonylnaphthalenesulfonic acid calcium salt	57855-77-3	EC50(48 HR) Daphnia > 0.27 mg/L	No data available	LC50(96 HR) FISH > 0.28 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

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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

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.,(Ethylene glycol mono-n-butyl ether), 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
No CERCLA-listed chemicals in this product.		CERCLA	

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Glycol ethers (N230)	111-76-2	SARA 313	3 - 7
Zinc Compounds	28016-00-4	SARA 313	1 - 5
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

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

SDS Prepared by: DAUBERT\HALINSKI

Revision Date: 01-09-2018

Revision Number: 16

Reason for revision: Reviewed
Approved: M. Longo

Disclaimer: 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.