

Safety Data Sheet



Stock Number: 3089044
Revision Date: 03-06-2018
Replaces: 03-05-2018

TECTYL® 300G HF BLACK 2.1

1. Identification

Product identifier used on the label: TECTYL® 300G HF BLACK 2.1
Stock Number: 3089044

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 Hazard
Symbols:



GHS Classification: Serious Eye Damage/Eye Irritation Category 2A

Signal Word: Warning

Hazard Statements: Causes serious eye irritation

Unclassified Hazards (HNOC): "DO NOT FREEZE"

Precautionary Statements:

Prevention: Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

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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	10 - 30

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:** 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. 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: Causes serious eye irritation

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

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

Use methods suitable to fight surrounding fire.

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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 only if preheated to temperatures above the high flash point, for example in a fire.

Hazardous combustion products:

Oxides of carbon, Toxic fumes, Toxic gases, Hydrocarbons

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:

No health effects expected from the clean-up of this material, if contact can be avoided. Follow personal protective equipment recommendations found in Section VIII of this SDS

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.

7. Handling and storage

Precautions for safe handling:

Avoid contacting and avoid breathing the material. Use only in a well-ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this 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.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions:

Store in a cool dry place. Isolate from incompatible materials. Keep from freezing. Keep away from heat, sparks, and flame. Keep container closed when not in use.

Materials to Avoid/Chemical Incompatibility:

Oxidizing materials, Strong alkalis, Strong acids

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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.

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits

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. Do not wear contact lenses.

Skin protection:

Not normally considered a skin hazard. Where use of product can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves:

Nitrile

Other protective equipment:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Not normally considered a skin hazard. Where use of product can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. 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:

Keep in air-tight containers- material is hygroscopic. Ground and bond containers when transferring material. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. "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.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state: Liquid

Color: Black

Odor: Ammonia

Slight

Odor Threshold: No data available

pH: 9.0

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: > 201 °F (94 °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: 17.5 mmHg @ 20°C

Vapor density: No data available

Relative density: 1.013

Solubility(ies): Not determined

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

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Auto-ignition temperature (°C):	No data available
Decomposition Temperature:	No data available
Viscosity:	28 sec, Zahn
Volatiles, % by weight:	74.5
VOC, Material, lb/gal	1.12
VOC, Material, grams/liter	134.3
VOC minus exempt solvents & water, g/l	347.5

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. Freezing temperatures (will cause permanent damage). High temperatures. Contamination.
Incompatible materials:	Oxidizing materials, Strong alkalis, Strong acids
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
Symptoms related to the physical, chemical and toxicological characteristics:	Causes serious eye irritation

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

Ingestion Toxicity:	Harmful if swallowed.
Skin Contact:	Can cause minor skin irritation, defatting, and dermatitis.
Inhalation Toxicity:	Can cause systemic damage.

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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

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

Persistence and degradability: No data
Bioaccumulative potential: No data available
Mobility in soil: No data available

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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

14. Transport information

Domestic Ground in containers <= 119 GL Coating, water-based/Non-Hazardous

Domestic Ground in containers > 119 GL Coating, water-based/Non-Hazardous

Shipping name for Export, Air (IATA) Coating, water-based/Non-Hazardous

Shipping name for Export, Sea (IMDG) Coating, water-based/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	All chemical substances in this material are included on or exempted from listing on the Canadian DSL.

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Chemical Name	CAS #	Regulation	Percent
Ammonium Hydroxide	1336-21-6	CERCLA	0.1 - 1 RQ = 1000 lbs.
Glycol ethers (N230)	111-76-2	SARA 313	10 - 30
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: 03-06-2018

Revision Number: 36

Reason for revision: Reviewed
Approved: M. Longo

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