

Safety Data Sheet

Revision Date 02-17-2016
Revision Number 18



SECTION 1 Identification of the substance/mixture and of the company/undertaking

Product identification used on label

Product identifier	3089 TECTYL® 300G HF BLACK 2.1
Details of the supplier of the safety data sheet	Daubert Chemical Company 4700 S. Central Avenue Chicago, IL 60638 708-496-7350
Emergency telephone number	Chemtrec: (800) 424-9300
Relevant identified uses of the substance or mixture and uses advised against	Corrosion Preventive Compound

SECTION 2 Hazards identification

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

GHS Hazard
Symbols



GHS Classification
Signal Word
Hazard Statements

Serious Eye Damage/Eye Irritation Category 2A
Warning
"DO NOT FREEZE"
Causes serious eye irritation.

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.

SECTION 3 Composition/information on ingredients

Chemical Name	CAS #	%
Ethylene glycol mono-n-butyl ether	111-76-2	10 - 30

Note: Specific chemical identities and/or exact percentages have been withheld as a trade secret.

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SECTION 4 First aid measures

Inhalation	If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
Eyes	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.
Note to Doctor	Treat symptomatically.

SECTION 5 Firefighting measures

Extinguishing media	Use methods suitable to fight surrounding fire. Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
Fire and/or Explosion Hazards	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
Fire Fighting Methods and Protection	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.
Hazardous Combustion Products	Oxides of carbon, Toxic fumes, Toxic gases, Hydrocarbons

SECTION 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 VIII 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. 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.

SECTION 7 Handling and storage

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

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

Incompatible materials

Oxidizing materials, Strong alkalis, Strong acids

SECTION 8 Exposure controls/personal protection

Control parameters

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>
Ethylene glycol mono-n-butyl ether	20 ppm TWA		50 ppm TWA; 240 mg/m ³ TWA

Engineering Measures Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Explosion proof exhaust ventilation should be used. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits

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

SECTION 9 Physical and chemical properties (Typical, not specification)

Physical State	Liquid
Color	Black
Odor	Slight Ammonia
Odor Threshold	No data available
pH	8.8
Melting Point, °C	No data available
Boiling Point, °C	No data available
Flash Point	> 201 °F(94 °C)
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Lower Flammable/Explosive Limit, % in air	No data available
Upper Flammable/Explosive Limit, % in air	No data available
Vapor Pressure	17.5 mmHg
Specific Gravity @ 25°C	1.01
Solubility in Water	Not determined

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Octanol/Water Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	28 sec, Zahn
Volatiles, % by weight	74.5
VOC, lb/gal	1.8
VOC, grams/liter	215.9
VOC minus exempt solvents & water, lb/gal	2.9

SECTION 10 Stability and reactivity

Chemical stability	Stable under normal conditions. Hazardous polymerization will not occur.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Contamination. High temperatures. Freezing temperatures (will cause permanent damage).
Incompatible materials	Oxidizing materials, Strong alkalis, Strong acids
Hazardous decomposition products	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

SECTION 11 Toxicological information

Likely Routes of Entry	Inhalation, Skin contact, Eye contact
Target Organs Potentially Affected by Exposure	Respiratory Tract, Eyes
Chemical Interactions That Change Toxicity	No chemical interaction known to affect toxicity.
Medical Conditions Aggravated	Eye disease., Respiratory disease including asthma and bronchitis

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Can cause minor respiratory irritation.
Inhalation Toxicity	Non-Toxic. Not known to cause systemic damage.
Skin Contact	Can cause minor skin irritation, defatting, and dermatitis.
Skin Absorption	No absorption hazard expected in normal industrial use.
Eye Contact	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.
Ingestion Toxicity	Harmful if swallowed.

Long-Term (Chronic) Health Effects

Carcinogenicity	Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.
Inhalation	Upon prolonged and/or repeated exposure, can cause minor respiratory irritation, dizziness, weakness, fatigue, nausea, and headache.
Skin Contact	Upon prolonged or repeated contact, can cause minor skin irritation, defatting, and dermatitis.
Skin Absorption	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Ingestion	Under normal industrial usage conditions, ingestion is highly unlikely.

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Component Toxicology Data

Chemical Name	CAS Number	LD50/LC50
Ethylene glycol mono-n-butyl ether	111-76-2	Dermal LD50 Rat 2000 mg/kg Oral LD50 Rat = 1300 mg/kg Inhalation LC50 (1h) Guinea pig 3.1 mg/L

SECTION 12 Ecological information

Overview	No ecological information available
Mobility	No data
Persistence	No data
Bioaccumulation	No data
Degradability	No data

Ecotoxicity Data

Chemical Name	CAS Number	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 (72 hr) Green algae = 911 mg/L	LC50 (96 hr) Rainbow trout = 1474 mg/L

SECTION 13 Disposal considerations

Waste Description for Spent Product	Spent or discarded material may be a hazardous waste.
Disposal Methods	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal Code(s)	Not applicable

SECTION 14 Transport information

Full shipping name for Export, Air, Sea (any quantity unless flash pt. >150°F) or vessels of 119 GL or more	Rust Inhibitor / Non-Hazardous
Domestic Ground in vessels < 119 gal.	Not Hazardous

SECTION 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.

Chemical Name	CAS #	Regulation	Percent
Ammonium Hydroxide	1336-21-6	CERCLA	0.5 - 1.5 RQ = 1000 lbs.
Glycol ethers (N230)	111-76-2	SARA 313	10 - 30
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

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SECTION 16 Other information

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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.

Version Reviewed

Comments Approved: M. Longo