

# Safety Data Sheet

Revision Date 11-22-2016  
Revision Number 11



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

---

### Product identification used on label

<b>Product identifier</b>	3013 TECTYL® 603
<b>Details of the supplier of the safety data sheet</b>	Daubert Chemical Company 4700 S. Central Avenue Chicago, IL 60638 708-496-7350
<b>Emergency telephone number</b>	Chemtrec: (800) 424-9300
<b>Relevant identified uses of the substance or mixture and uses advised against</b>	Corrosion Preventative Compound

## SECTION 2 Hazards identification

---

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

**GHS** Flammable Liquid Category 4

### Classification

**Signal Word** Warning

**Hazard** Combustible Liquid

### Statements

**Unclassified** None Identified

### Hazards

#### (HNOC):

### Precautionary

#### Statements

### Prevention

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
Wear protective gloves/protective clothing/eye protection/face protection.

**Response** Use dry chemical, water fog, CO<sub>2</sub>, foam or sand/earth for extinction.

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

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulation for hazardous wastes.

## SECTION 3 Composition/information on ingredients

---

<b>Chemical Name</b>	<b>CAS #</b>	<b>%</b>
Ethylene glycol mono-n-butyl ether	111-76-2	3 - 7

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

## 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.

# Safety Data Sheet

Revision Date 11-22-2016  
Revision Number 11

<b>Skin Contact</b>	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
<b>Ingestion</b>	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.
<b>Most important symptoms/effects, acute and delayed</b>	See Section 11
<b>Indication of immediate medical attention and special treatment needed</b>	Treat symptomatically.

## **SECTION 5 Firefighting measures**

---

<b>Suitable extinguishing media:</b>	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.
<b>Unsuitable extinguishing media:</b>	No data available
<b>Fire and/or Explosion Hazards</b>	Material may be ignited if preheated to temperatures above the flash point in the presence of a source of ignition. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.
<b>Fire Fighting Methods and Protection</b>	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. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use appropriate methods for the surrounding fire.
<b>Hazardous Combustion Products</b>	Oxides of carbon, Toxic fumes, Toxic gases, Hydrocarbons, Sulfur compounds

## **SECTION 6 Accidental release measures**

---

<b>Personal precautions, protective equipment and emergency procedures</b>	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.
<b>Methods and materials for containment and cleaning up</b>	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.

# Safety Data Sheet

Revision Date 11-22-2016  
Revision Number 11

## SECTION 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. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. 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

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

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

### **Incompatible materials**

Strong oxidizing agents

## SECTION 8 Exposure controls/personal protection

### Control parameters

#### Chemical Name

#### ACGIH TLV

#### ACGIH STEL

#### OSHA PEL

Ethylene glycol mono-n-butyl ether

20 ppm TWA

50 ppm TWA; 240 mg/m<sup>3</sup> 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. 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.

### **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. Respiratory protection may be required in addition to ventilation depending upon conditions of use.

### **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

# Safety Data Sheet

Revision Date 11-22-2016  
Revision Number 11

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

Physical State	Liquid
Color	Amber
Odor	Slight
Odor Threshold	No data available
pH	8.1 @ 20%
Melting Point/freezing point, °C	No data available
Initial boiling point and boiling range, °C	No data available
Flash Point	148 °F( 64 °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	0.66 mmHg
Vapor Density	No data available
Specific Gravity @ 25°C	0.92
Solubility in Water	Complete; 100%
Octanol/Water Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	83 cSt @ 40°C
Volatiles, % by weight	6
VOC, Material, lb/gal	.46
VOC, Material, grams/liter	55.2

## SECTION 10 Stability and reactivity

Reactivity	No data available
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.
Incompatible materials	Strong oxidizing agents
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	Eyes, Central Nervous System, Respiratory Tract, Lungs, Brain, Skin
Chemical Interactions That Change Toxicity	No chemical interaction known to affect toxicity.
Medical Conditions Aggravated	Skin contact may aggravate existing skin disease

# Safety Data Sheet

Revision Date 11-22-2016  
Revision Number 11

## Immediate (Acute) Health Effects by Route of Exposure

<b>Inhalation Irritation</b>	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
<b>Inhalation Toxicity</b>	Non-Toxic. Not known to cause systemic damage.
<b>Skin Contact</b>	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
<b>Skin Absorption</b>	No absorption hazard expected in normal industrial use.
<b>Eye Contact</b>	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
<b>Ingestion Irritation</b>	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.
<b>Ingestion Toxicity</b>	Harmful if swallowed.

## Long-Term (Chronic) Health Effects

<b>Carcinogenicity</b>	This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.
<b>Inhalation</b>	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
<b>Skin Contact</b>	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
<b>Skin Absorption</b>	Upon prolonged or repeated exposure, no hazard in normal industrial use.
<b>Ingestion</b>	Under normal industrial usage conditions, ingestion is highly unlikely.

## Component Toxicology Data

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
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

<b>Overview</b>	No ecological information available
<b>Mobility</b>	No data
<b>Persistence</b>	No data
<b>Bioaccumulation</b>	No data
<b>Degradability</b>	No data

## Ecotoxicity Data

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Aquatic EC50</b>	<b>Aquatic ERC50</b>	<b>Aquatic LC50</b>
		<b>Crustacea</b>	<b>Algae</b>	<b>Fish</b>
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

<b>Waste Description for Spent Product</b>	Spent or discarded material is a hazardous waste.
<b>Disposal Methods</b>	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
<b>Waste Disposal Code(s)</b>	D001

# Safety Data Sheet

Revision Date 11-22-2016  
Revision Number 11

## 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 Domestic Ground in vessels < 119 gal.** UN1268, PETROLEUM DISTILLATES, N.O.S., (Naphtha Solvent), 3, PG III, Non-Regulated

## 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
<b>No CERCLA-listed chemicals in this product.</b>		CERCLA	
Glycol ethers (N230)	111-76-2	SARA 313	3 - 7
Barium compounds	93820-55-4	SARA 313	1 - 5
<b>No SARA 302 EHS-listed chemicals in this product.</b>		SARA EHS	

## SECTION 16 Other information

---

**Revision Date** 11-22-2016

**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. Duncan