

# Safety Data Sheet

Revision Date 11-24-2014  
Revision Number 1



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

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### Product identification used on label

Product identifier	3013 TECTYL 603
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 Preventative Compound

## SECTION 2 Hazards identification

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

GHS Classification	Flammable Liquid Category 4
Signal Word	Warning
Hazard Statements	Combustible Liquid
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

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Chemical Name	CAS #	%
Stoddard solvent	8052-41-3	3 - 7
Ethylene glycol mono-n-butyl ether	111-76-2	1 - 5

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

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## SECTION 4 First aid measures

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<b>Inhalation</b>	If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.
<b>Eyes</b>	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.
<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. Do not induce vomiting. Get immediate medical attention. Careful evacuation of stomach by medical personnel imperative.
<b>Note to Doctor</b>	Treat symptomatically.

## SECTION 5 Firefighting measures

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<b>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>Fire and/or Explosion Hazards</b>	Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. 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. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.
<b>Hazardous Combustion Products</b>	Use appropriate methods for the surrounding fire. Oxides of carbon, Toxic fumes, Toxic gases, Hydrocarbons, Sulfur compounds

## SECTION 6 Accidental release measures

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<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.
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**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. 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 place. Isolate from incompatible materials. Keep away from sources of ignition. Store in tightly sealed original container. Do not store near combustible materials. Store in a cool place in original container and protect from sunlight. Limit quantity of material stored.

**Incompatible materials** Strong oxidizing agents, Strong alkalies

## SECTION 8 Exposure controls/personal protection

### Control parameters

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>
Stoddard solvent	100 ppm TWA; 525 mg/m <sup>3</sup> TWA		500 ppm TWA; 2900 mg/m <sup>3</sup> TWA
Ethylene glycol mono-n-butyl ether	20 ppm TWA; 96 mg/m <sup>3</sup> 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. Wear a NIOSH approved respirator if any exposure is possible.

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<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>	Chemically resistant gloves

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

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<b>Physical State</b>	Liquid
<b>Color</b>	Amber
<b>Odor</b>	Slight Ester-like Sweet
<b>Odor Threshold</b>	No data available
<b>pH</b>	8.1 @ 20%
<b>Melting Point, °C</b>	No data available
<b>Boiling Point, °C</b>	No data available
<b>Flash Point</b>	148 °F( 64 °C)
<b>Evaporation Rate</b>	No data available
<b>Flammability (Solid, Gas)</b>	No data available
<b>Lower Flammable/Explosive Limit, % in air</b>	No data available
<b>Upper Flammable/Explosive Limit, % in air</b>	No data available
<b>Vapor Pressure</b>	0.66 mmHg
<b>Specific Gravity @ 25°C</b>	0.92
<b>Solubility in Water</b>	Complete; 100%
<b>Octanol/Water Partition Coefficient</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	83 cSt @ 40°C
<b>Volatiles, % by weight</b>	6
<b>VOC, Method EPA 24, lb/gal</b>	0.46
<b>VOC, Method EPA 24, grams/liter</b>	55.2

## SECTION 10 Stability and reactivity

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<b>Chemical stability</b>	Stable under normal conditions. Hazardous polymerization will not occur.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	Contamination.
<b>Incompatible materials</b>	Strong oxidizing agents, Strong alkalies
<b>Hazardous decomposition products</b>	Decomposition and hazardous decomposition products are unlikely.

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## SECTION 11 Toxicological information

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<b>Likely Routes of Entry</b>	Skin contact, Inhalation, Eye contact, Absorption
<b>Target Organs Potentially Affected by Exposure</b>	Eyes, Skin, Nervous System, Respiratory Tract, Lungs
<b>Chemical Interactions That Change Toxicity</b>	No chemical interaction known to affect toxicity.
<b>Medical Conditions Aggravated</b>	Skin contact may aggravate existing skin disease, Respiratory disease including asthma and bronchitis, Lung disease

### 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>	Can cause systemic damage (see "Target Organs")
<b>Skin Contact</b>	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
<b>Skin Absorption</b>	May cause irritation and minor systemic damage.
<b>Eye Contact</b>	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.
<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>Reproductive and Developmental Toxicity</b>	No data available to indicate product or any components present at greater than 0.1% may cause birth defects. Possible reproductive hazard.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
<b>Inhalation</b>	Upon prolonged and/or repeated exposure, can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
<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, harmful if absorbed through the skin. May cause severe irritation and systemic damage.

### Component Toxicology Data

<b>Chemical Name</b>	<b>CAS Number</b>	<b>LD50/LC50</b>
Stoddard solvent	8052-41-3	Dermal LD50 Rabbit > 3000 mg/kg Dermal LD50 Rat > 2000 ml/kg Oral LD50 Rat > 5000 mg/kg Inhalation LC50 (4h) Rat > 5500 MG/CU M
Ethylene glycol mono-n-butyl ether	111-76-2	Dermal LD50 Rat > 2000 mg/kg Dermal LD50 Guinea pig > 2000 ml/kg Oral LD50 Rat = 1300 mg/kg Oral LD50 Guinea pig = 1400 mg/kg Inhalation LC50 (4h) Rat > 5 mg/L Inhalation LC50 (1h) Guinea pig > 3 mg/L

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## SECTION 12 Ecological information

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**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) Algae = 1840 mg/L	LC50 (96 hr) Rainbow trout = 1474 mg/L

## SECTION 13 Disposal considerations

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

## SECTION 14 Transport information

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**Full Shipping Name for Export, Air, Sea (any quantity) or vessels of 119 gal. or more:** UN1268, PETROLEUM DISTILLATES, N.O.S., (Naphtha Solvent), 3, PG III  
**Domestic Ground in vessels < 119 gal.** Not Regulated

## SECTION 15 Regulatory information

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**TSCA Status** All components in this product are on the TSCA Inventory or exempt.  
**Canadian DSL status:** Not all components of this product have been verified to be on the Canadian DSL or NDSL.

Chemical Name	CAS #	Regulation	Percent
Glycol ethers (N230)	111-76-2	SARA 313	1 - 5
Barium compounds	93820-55-4	SARA 313	1 - 5

## SECTION 16 Other information

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**Revision Date** 11-24-2014  
**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** Original  
**Comments** Approved: J. Kump / M. Duncan