

# Safety Data Sheet



Stock Number: 3069035  
Revision Date: 01-09-2019  
Replaces: 02-07-2017

## TECTYL® 2423 HAPS FREE BLK

### 1. Identification

**Product identifier used on the label:** TECTYL® 2423 HAPS FREE BLK  
**Stock Number:** 3069035

**Other means of identification:**  
**Synonyms:** None  
**Chemical family:** Mixture

**Recommended use of the chemical and restrictions on use:**  
**Recommended use:** Corrosion Preventive Compound (water-based)  
**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:** Reproductive Toxicity Category 1B; Hazardous to the aquatic environment - Acute Category 2; Hazardous to the aquatic environment - Chronic Category 2

**Signal Word:** Danger

**Hazard Statements:** May damage fertility or the unborn child.  
Toxic to aquatic life  
Toxic to aquatic life with long lasting effects

**Unclassified Hazards (HNOC)::** "DO NOT FREEZE"

**Precautionary Statements:**  
**Prevention:** Obtain special instructions before use.

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Do not handle until all safety precautions have been read and understood.

Avoid release to the environment.

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

**Response:** IF exposed or concerned: Get medical advice/attention.

Collect spillage.

**Storage:** Store locked up.

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

**Hazards not otherwise classified:** No data available

## 3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
1-Propoxy-2-propanol	None	1569-01-3	5 - 10
Butyl benzyl phthalate	None	85-68-7	3 - 7
Zinc oxide	None	1314-13-2	1 - 5
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	None	25265-77-4	1 - 5
2,4,7,9-Tetramethyl-5-decyne-4,7-diol	None	126-86-3	0.1 - 1

Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

## 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:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

**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.

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<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.
<b>Most important symptoms/effects, acute and delayed:</b>	May damage fertility or the unborn child.
<b>Indication of immediate medical attention and special treatment needed, if necessary:</b>	Consult a physician. Treat symptomatically.

## 5. Fire-fighting measures

### Suitable (and unsuitable) extinguishing media:

**Suitable extinguishing media:** Not combustible. Use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media:** No data available

**Specific hazards arising from the chemical:** Water-based. Material will not ignite or burn as supplied.

**Hazardous combustion products:** Sulfur containing gases, Carbon dioxide, Carbon monoxide, Hydrocarbons

**Special protective equipment and precautions for fire-fighters:** Use appropriate methods for the surrounding fire. Will not burn. No special instructions available.

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

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## 7. Handling and storage

### Precautions for safe handling:

Mildly irritating material. Avoid unnecessary exposure. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Minimize dust generation and accumulation. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

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

#### Safe storage conditions:

Store in a cool dry place. Isolate from incompatible materials. Keep from freezing.

#### Materials to Avoid/Chemical Incompatibility:

Aluminum alloys, Strong oxidizing agents, Strong acids, Strong alkalies, Chlorinated compounds

## 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
Zinc oxide	5 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup> STEL	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.

Facilities storing or using this material should be equipped with an eyewash and safety shower.

Explosion proof exhaust ventilation should be used.

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

### 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. Wear a NIOSH approved respirator if any exposure is possible.

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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 chemical splash goggles when handling this product. Additionally, wear a face shield when the possibility of splashing of liquid exists. 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:**

Nitrile

**Other protective equipment:**

Wear chemical splash goggles when handling this product. Additionally, wear a face shield when the possibility of splashing of liquid exists. 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.

**General hygiene conditions:**

Use non-sparking tools when opening or closing containers. Use with adequate ventilation. Keep in air-tight containers- material is hygroscopic. Do not enter storage area unless adequately ventilated. Wash hands before eating. Follow all SDS/label precautions even after container is emptied because it may retain product residues. Do not use pressure to empty container. Remove contaminated clothing and wash before reuse. Follow all protective equipment recommendations provided in Section 8. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Use spark-proof tools and explosion-proof equipment. Ground and bond containers when transferring material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Avoid contact with material, avoid breathing dusts or fumes, use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

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## 9. Physical and chemical properties

### Appearance (physical state, color etc.):

Physical state:	Liquid
Color:	Black
Odor:	Ammonia
	Slight
Odor Threshold:	No data available
pH:	9.5
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:	Not measurable (water-based, >200°F)
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:	28.28 mmHg @ 20°C
Vapor density:	No data available
Relative density:	1.26
Solubility(ies):	Moderate; 50-99%
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature (°C):	No data available
Decomposition Temperature (°C):	No data available
Viscosity:	Typical 85 Stormer Ku
Volatiles, % by weight:	44.5
VOC, Material, lb/gal	0.84
VOC, Material, grams/liter	101
VOC minus exempt solvents & water, g/l	188

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## 10. Stability and reactivity

<b>Reactivity:</b>	Not expected to be reactive
<b>Chemical stability:</b>	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 (e.g., static discharge, shock, or vibration):</b>	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Freezing temperatures (will cause permanent damage). Elevated temperatures. Contamination. High temperatures.
<b>Incompatible materials:</b>	Aluminum alloys, Strong oxidizing agents, Strong acids, Strong alkalies, Chlorinated compounds
<b>Hazardous decomposition products:</b>	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:

<b>Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):</b>	Eye contact, Skin contact, Inhalation
<b>Symptoms related to the physical, chemical and toxicological characteristics:</b>	May damage fertility or the unborn child.

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

<b>Ingestion Toxicity:</b>	Harmful if swallowed. Not believed to have any significant toxicity.
<b>Skin Contact:</b>	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
<b>Inhalation Toxicity:</b>	Can cause systemic damage.
<b>Eye Contact:</b>	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
<b>Sensitization:</b>	None known
<b>Mutagenicity:</b>	No data
<b>Reproductive and Developmental Toxicity:</b>	Butyl benzyl phthalate is a possible reproductive hazard and may cause birth defects.
<b>Carcinogenicity:</b>	There are no carcinogenic ingredients present at or over 0.1%.

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**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
1-Propoxy-2-propanol	Oral LD50 Rat > 2000 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat 8.34 ml/l
Butyl benzyl phthalate	Oral LD50 Rat 13500 mg/kg	Dermal LD50 Rat 6700 mg/kg	
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	Oral LD50 Rat = 6500 mg/kg	Dermal LD50 Rabbit > 15200 mg/kg	Inhalation LC50 (4h) Rat > 3.55 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
Carbon black	N	Y	N

## 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
1-Propoxy-2-propanol	1569-01-3	EC50(48 HR) WATER FLEA > 100 mg/L	EC50(96HR) GREEN ALGAE 1466 mg/L	LC50(96 HR) RAINBOW TROUT > 100 mg/L
Butyl benzyl phthalate	85-68-7	EC50(48 HR) Daphnia > 0.96 mg/L	No data available	LC50(96 HR) FISH 0.47 - 0.56 mg/L
Zinc oxide	1314-13-2	LC50(96 HR) WATER FLEA 0.098 mg/L	EC50(72HR) ALGAE 0.042 mg/L	EC50(48 HR) RAINBOW TROUT 320 ppm
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	25265-77-4	EC50(48 HR) WATER FLEA = 147.8 mg/L	No data available	LC50(96 HR) FISH = 33 mg/L

**Persistence and degradability:** No data



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<b>Bioaccumulative potential:</b>	No data available
<b>Mobility in soil:</b>	No data available
<b>Other adverse effects (such as hazardous to the ozone layer):</b>	No data available

## 13. Disposal considerations

<b>Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:</b>	Spent or discarded material is a hazardous waste. Dispose of by incineration following Federal, State, Local, or Provincial regulations.
<b>Waste codes / waste designations:</b>	D001

## 14. Transport information

<b>Domestic Ground in containers &lt;= 119 GL</b>	Coating, water-based/Non-Hazardous
<b>Domestic Ground in containers &gt; 119 GL</b>	Coating, water-based/Non-Hazardous
<b>Shipping name for Export, Air (IATA)</b>	Coating, water-based/Non-Hazardous
<b>Shipping name for Export, Sea (IMDG)</b>	Coating, water-based/Non-Hazardous
<b>Marine Pollutant?</b>	No

## 15. Regulatory information

Status of formula components on selected national regulatory inventories:

LIST	STATUS
<b>TSCA</b>	All components in this product are on the TSCA Inventory or exempt.
<b>Canadian DSL</b>	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
Carbon black	1333-86-4	Prop. 65 - Cancer	1 - 5
Formaldehyde (gas)	50-00-0	Prop. 65 - Cancer	<0.1
Butyl benzyl phthalate (BBP)	85-68-7	Prop. 65 - Developmental and/or Reproductive	3 - 7
Di-n-butyl phthalate (DBP)	84-74-2	Prop. 65 - Developmental and/or Reproductive	<0.1
Methanol	67-56-1	Prop. 65 - Developmental and/or Reproductive	TRACE
Butyl benzyl phthalate	85-68-7	CERCLA	3 - 7 RQ = 100 lbs
Zinc Compounds	7779-90-0	CERCLA	3 - 7 RQ = None Assigned
Diethylamine	109-89-7	CERCLA	0.5 - 1.5 RQ = 100 lbs.
Zinc Compounds	7779-90-0	SARA 313	3 - 7
Zinc Oxide	1314-13-2	SARA 313	1 - 5
No SARA 302 EHS-listed chemicals in this product.		SARA EHS	

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<b>16. Other information, including date of preparation or last revision.</b>
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**SDS Prepared by:** DAUBERT\HALINSKI

**Revision Date:** 01-09-2019

**Revision Number:** 22

**Reason for revision:** Reviewed  
Approved: M. Longo

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