

# Safety Data Sheet



Stock Number: 3069035  
Revision Date: 08-22-2023  
Replaces: 12-08-2020

## 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 Preventative Compound (water-base)  
**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

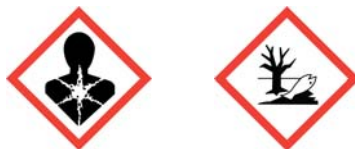
**Telephone number:** 1-708-496-7350  
**E-mail address:** SDS@Daubert.com

**Emergency phone number:** Chemtrec: (800) 424-9300 - in USA and Canada  
+1-703-527-3887 - outside USA and Canada

### 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 1

**Signal Word:** Danger

**Hazard Statements:** May damage fertility or the unborn child.

Very toxic to aquatic life

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

**Precautionary Statements:**

**Prevention:**

Obtain special instructions before use.

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.

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**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:** Neither crystalline silica nor carbon black when present in paints, greases, or liquid coatings, are known to present a carcinogen hazard as they are bound within a matrix. Risks associated with these chemicals are attributable to dust (inhalation) exposures, and not to exposures from formulated products, like paint, grease, or liquid coatings, where the dust is embedded in the mixture and not available for exposure. Particles released from sanding and sawing mixtures, including paints, lacquers, and epoxy solids containing crystalline silica and carbon black, have been characterized. Pure chemical particles are not released during these uses, but rather the particles remain embedded in the coating matrices.

## 3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Zinc Phosphate (Dihydrate) Pigment	None	7779-90-0	7 - 13
1-Propoxy-2-propanol	None	1569-01-3	5 - 10
Butyl benzyl phthalate	None	85-68-7	3 - 7
Carbon black	None	1333-86-4	1 - 5
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	None	25265-77-4	1 - 5

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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**Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. 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.

**Most important symptoms/effects, acute and delayed:** May damage fertility or the unborn child.

**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:** Water-based. Not combustible as supplied. 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.

## 7. Handling and storage

**Precautions for safe handling:** Mildly irritating material. Avoid unnecessary exposure. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. 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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## 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

## 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
Carbon black	3.5 mg/m <sup>3</sup> (inhalable)	3.5 mg/m <sup>3</sup> (inhalable)		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. 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. 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.

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<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>	Nitrile
<b>Other protective equipment:</b>	<p>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.</p> <p>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.</p>
<b>General hygiene conditions:</b>	Use non-sparking tools when opening or closing containers. Use with adequate ventilation Do not use pressure to empty container. Do not enter storage area unless adequately ventilated Wash hands before eating Remove contaminated clothing and wash before reuse. Follow all protective equipment recommendations provided in Section 8. 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. "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.

## 9. Physical and chemical properties

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

<b>Physical state:</b>	Liquid
<b>Color:</b>	Black
<b>Odor:</b>	Ammonia
	Slight
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	9.5
<b>Melting point/freezing point (°C):</b>	
<b>Melting Point (°C):</b>	No data available
<b>Freezing point (°C):</b>	No data available

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<b>Initial boiling point and boiling range (°C):</b>	No data available
<b>Flash Point:</b>	Not measurable (water-based, >200°F)
<b>Evaporation Rate:</b>	No data available
<b>Flammability (solid, gas):</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	
<b>Upper flammability or explosive limits:</b>	No data available
<b>Lower flammability or explosive limits:</b>	No data available
<b>Vapor pressure:</b>	28.28 mmHg @ 20°C
<b>Vapor density:</b>	No data available
<b>Relative density:</b>	1.26
<b>Solubility(ies):</b>	Moderate; 50-99%
<b>Partition coefficient: n-octanol/water:</b>	No data available
<b>Auto-ignition temperature (°C):</b>	No data available
<b>Decomposition Temperature (°C):</b>	No data available
<b>Viscosity:</b>	Typical 85 Stormer Ku
<b>Volatiles, % by weight:</b>	44.5
<b>VOC, Material, lb/gal</b>	0.84
<b>VOC, Material, grams/liter</b>	101
<b>VOC minus exempt solvents &amp; water, g/L</b>	188

## 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
<b>Hazardous decomposition products:</b>	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

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## 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:

May damage fertility or the unborn child.

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

Ingestion Toxicity:

Harmful if swallowed. Not believed to have any significant toxicity.

Skin Contact:

Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Inhalation Toxicity:

Can cause systemic damage.

Eye Contact:

Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue. Lachrymator.

Sensitization:

None known

Mutagenicity:

No data

Reproductive and Developmental Toxicity:

Butyl benzyl phthalate is a possible reproductive hazard and may cause birth defects.

Carcinogenicity:

Carbon black has been classified by IARC as a Category 2B (known animal carcinogen, possible human carcinogen) material. This was based on the results of rat inhalation studies of carbon black, despite the lack of parallel evidence on humans or other animal species. Carbon Black in a coating product, either in wet or dry form, is encapsulated and unlikely to be present in small enough particles to present an inhalation risk. Normal precautions should be taken if the dry coating is to be severely abraded by sanding or sandblasting.

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
Zinc Phosphate (Dihydrate) Pigment	Oral LD50 Rat > 5000 mg/kg		

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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 2330 mg/kg	Dermal LD50 Rabbit > 5000 mg/kg	
Carbon black	Oral LD50 Rat > 8000 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	

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
Zinc Phosphate (Dihydrate) Pigment	7779-90-0	EC50(48 HR) WATER FLEA > 1.08 mg/L	No data available	LC50(96 HR) FISH 0.09 mg/L
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	No data available	No data available	LC50(96 HR) FLATHEAD MINNOW 0.51 mg/L
Carbon black	1333-86-4	EC50(24HR) WATER FLEA > 5600 mg/L	EC50(72HR) ALGAE > 10000 mg/L	LC50(96 HR) ZEBRA FISH > 1000 mg/L
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	EC50(72HR) GREEN ALGAE 18.4 mg/L	LC50(96 HR) FLATHEAD MINNOW = 33 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 is a hazardous waste.

Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste codes / waste designations: D001

## 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

### International Inventory

Country(s) or region		On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No

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Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Inventory	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or are unknown from listing on the inventory administered by the governing country(s).

Chemical Name	CAS #	Regulation	Percent
Carbon black	1333-86-4	Prop. 65 - Cancer	1 - 5
Crystalline silica	14808-60-7	Prop. 65 - Cancer	<0.1
Styrene	100-42-5	Prop. 65 - Cancer	<0.1
Formaldehyde (gas)	50-00-0	Prop. 65 - Cancer	<0.1
Ethyl acrylate	140-88-5	Prop. 65 - Cancer	TRACE
Methyl isobutyl ketone	108-10-1	Prop. 65 - Cancer	TRACE
Butyl benzyl phthalate (BBP)	85-68-7	Prop. 65 - Developmental and/or Reproductive	3 - 7
Ethylene glycol	107-21-1	Prop. 65 - Developmental and/or Reproductive	<0.1

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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
Methyl isobutyl ketone	108-10-1	Prop. 65 - Developmental and/or Reproductive	TRACE
Zinc Compounds	7779-90-0	CERCLA	7 - 13 RQ = None Assigned
Butyl benzyl phthalate	85-68-7	CERCLA	3 - 7 RQ = 100 lbs
Diethylamine	109-89-7	CERCLA	0.5 - 1.5 RQ = 100 lbs.
Ethylene glycol	107-21-1	CERCLA	<0.1 RQ = 5000 lbs.
Styrene	100-42-5	CERCLA	<0.1 RQ = 1,000 lbs.
Ammonium Hydroxide	1336-21-6	CERCLA	<0.1 RQ = 1000 lbs.
Dibutyl Phthalate	84-74-2	CERCLA	<0.1 RQ = 10 lbs.
Methanol	67-56-1	CERCLA	TRACE RQ = 5000 lbs.
Zinc Compounds (N982)	7779-90-0	SARA 313	7 - 13

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Ethylene glycol	107-21-1	SARA 313	<0.1
Styrene	100-42-5	SARA 313	<0.1
Ammonium Hydroxide	1336-21-6	SARA 313	<0.1
Glycol ethers (N230)	111-76-2	SARA 313	<0.1
Formaldehyde	50-00-0	SARA 313	<0.1
Dybutyl Phthalate	84-74-2	SARA 313	<0.1
Methanol	67-56-1	SARA 313	TRACE
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: 08-22-2023

Revision Number: 26

Reason for revision: Reviewed  
Approved: K. Slegel

**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.