

Safety Data Sheet

Revision Date 02-27-2017
Revision Number 15



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

Product identification used on label

Product identifier	3069 TECTYL® 2423 HAPS FREE BLK
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 (water-based)

SECTION 2 Hazards 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. 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 in accordance with local/regional/national/international regulation for hazardous wastes.

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SECTION 3 Composition/information on ingredients

Chemical Name	CAS #	%
1-Propoxy-2-propanol	1569-01-3	5 - 10
Butyl benzyl phthalate	85-68-7	3 - 7
Zinc oxide	1314-13-2	1 - 5
Propanoic acid, 2-methyl-,monoester with 2,2,4-trimethyl-1,3-pentanediol	25265-77-4	1 - 5

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. Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
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. 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	See Section 11
Indication of immediate medical attention and special treatment needed	Treat symptomatically.

SECTION 5 Firefighting measures

Suitable extinguishing media:	Water-based. Not combustible as supplied. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media:	No data available
Fire and/or Explosion Hazards	Water-based. Material will not ignite or burn as supplied.
Fire Fighting Methods and Protection	Will not burn. No special instructions available. Use appropriate methods for the surrounding fire.
Hazardous Combustion Products	Sulfur containing gases, Carbon dioxide, Carbon monoxide, Hydrocarbons

SECTION 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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SECTION 7 Handling and storage

Precautions for safe handling

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

Conditions for safe storage, including any incompatibilities

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

Incompatible materials

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

SECTION 8 Exposure controls/personal protection

Control parameters

Chemical Name

ACGIH TLV

ACGIH STEL

OSHA PEL

Zinc oxide

2 mg/m³

10 mg/m³ STEL

5 mg/m³

Engineering Measures

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

Respiratory Protection

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. 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. Wear a NIOSH approved respirator if any exposure is possible.

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

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

Physical State	Liquid
Color	Black
Odor	Slight Ammonia
Odor Threshold	No data available
pH	9.5
Melting Point/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
Lower Flammable/Explosive Limit, % in air	No data available
Upper Flammable/Explosive Limit, % in air	No data available
Vapor Pressure	28.28 mmHg
Vapor Density	No data available
Specific Gravity @ 25°C	1.26
Solubility in Water	Moderate; 50-99%
Octanol/Water Partition Coefficient	0.612
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	Typical 85 Stormer Ku
Volatiles, % by weight	44
VOC, Material, lb/gal	1.05
VOC, Material, grams/liter	125.9
VOC minus exempt solvents & water, lb/gal	1.56

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	High temperatures. Contamination. Elevated temperatures. Freezing temperatures (will cause permanent damage).
Incompatible materials	Aluminum alloys, Strong oxidizing agents, Strong acids, Strong alkalis, Chlorinated compounds
Hazardous decomposition products	Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

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SECTION 11 Toxicological information

Likely Routes of Entry	Inhalation, Skin contact, Eye contact
Target Organs Potentially Affected by Exposure	Eyes, Respiratory Tract, Central Nervous System
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 moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity	Can cause systemic damage (see "Target Organs)
Skin Contact	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
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.
Ingestion Toxicity	Harmful if swallowed.

Long-Term (Chronic) Health Effects

Carcinogenicity	There are no carcinogenic ingredients present at or over 0.1%.
Reproductive and Developmental Toxicity	Butyl benzyl phthalate is a possible reproductive hazard and may cause birth defects.
Inhalation	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs)
Skin Contact	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Skin Absorption	Upon prolonged or repeated exposure, no hazard in normal industrial use.
Ingestion	Under normal industrial usage conditions, ingestion is highly unlikely.

Component Toxicology Data

Chemical Name	CAS Number	LD50/LC50
1-Propoxy-2-propanol	1569-01-3	Dermal LD50 Rabbit > 2000 mg/kg Oral LD50 Rat > 2000 mg/kg Inhalation LC50 (4h) Rat 8.34 ml/l
Butyl benzyl phthalate	85-68-7	Dermal LD50 Rat 6700 mg/kg Oral LD50 Rat 13500 mg/kg
Zinc oxide	1314-13-2	Oral LD50 Mouse 7950 mg/kg Inhalation LC50 Mouse 2500 MG/M3
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	25265-77-4	Oral LD50 Rat = 6500 mg/kg Inhalation LC50 (4h) Rat > 3.55 mg/L

SECTION 12 Ecological information

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

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Ecotoxicity Data

Chemical Name	CAS Number	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 (96 hr) 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		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 (48 hr) Rainbow trout 1.1 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		LC50 (96 hr) Fish = 33 mg/L

SECTION 13 Disposal considerations

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

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.	Non-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
Butyl benzyl phthalate (BBP)	85-68-7	California Prop 65	3 - 7
Carbon black (airborne, unbound particles of respirable size)	1333-86-4	California Prop 65	1 - 5
Di-n-butyl phthalate (DBP)	84-74-2	California Prop 65	Trace
Butyl benzyl phthalate	85-68-7	CERCLA	3 - 7 RQ = 100 lbs

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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	

SECTION 16 Other information

Revision Date	02-27-2017
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