

Material Safety Data Sheet

Product Trade Name: BUFLEEN

ID: H128/H129

*** Section 1 - Chemical Product and Company Identification ***

Product Trade Name: BUFLEEN

Manufacturer Information

Chemtech Finishing Systems
14057 Stephens Road
Warren, MI 48089

Contact Phone: (800) 791-2928

Chemtec Emergency Phone: (800) 424-9300

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
61790-12-3	Tall oil fatty acids	10-30
12712-38-8	Potassium borate	10-30
Proprietary	Surfactant(s)	1-10
107-41-5	Hexylene glycol	1-10

Additional Information:

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview:

WARNING! This product is severely irritating to the eyes. This product is irritating to the skin. May cause dizziness, incoordination, headache, nausea, and vomiting. This product may cause an allergic skin reaction.

Eye Contact:

This product is severely irritating to the eyes.

Skin Contact:

This product is irritating to the skin. This product contains a component that may cause allergic skin reactions.

Skin Absorption:

A component in this product may be absorbed through the skin in harmful amounts.

Ingestion:

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation:

Inhalation of vapors or mists of the product may be irritating to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders.

*** Section 4 - First Aid Measures ***

Eye Contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact:

For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

Inhalation:

If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

First Aid: Notes to Physician

No additional information available.

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*** Section 5 - Fire Fighting Measures ***

Flash Point: >212 °F (>100 °C)

Method Used: Estimated

Flammability Classification: Non-flammable

Upper Flammable Limit (UFL): Not applicable

Lower Flammable Limit (LFL): Not applicable

Fire & Explosion Hazards:

This product is an aqueous mixture which will not burn.

Decomposition Products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Extinguishing Media:

Use any media suitable for the surrounding fires.

Fire-Fighting Instructions:

Firefighters should wear full protective clothing including self contained breathing apparatus.

*** Section 6 - Accidental Release Measures ***

Containment and Clean up procedures must be conducted in accordance with all local, state, and federal regulations.

Containment Procedures:

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up.

Clean-Up Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation.

*** Section 7 - Handling and Storage ***

Handling Procedures:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Use this product with adequate ventilation. Wash thoroughly after handling. Do not take internally.

Storage Procedures:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Thaw and mix thoroughly if frozen.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

Hexylene glycol (107-41-5)

ACGIH: C 25 ppm; C 121 mg/m³

OSHA: C 25 ppm; C 125 mg/m³

NIOSH: C 25 ppm; C 125 mg/m³

Engineering Controls:

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

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PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face Protective Equipment:

Wear safety glasses; chemical goggles (if splashing is possible).

Skin Protection:

Use impervious gloves. Gloves should be tested to determine suitability for prolonged contact.

Respiratory Protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Personal Protective Equipment:

Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Physical State: Liquid	Appearance: Colorless
Odor: Sweet	Vapor Pressure: <30 mmHg (Calculated)
Vapor Density: Not applicable	Boiling Point: >212 °F (>100 °C) Calculated
Specific Gravity: Not determined	pH: 9.3
Viscosity: Not applicable	VOC: <15%
Solubility Water: Complete	Evaporation Rate: Not applicable
Percent Volatile: Not applicable	Percent Solids: >45%

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

None expected.

Incompatibility:

This product may react with strong acids, bases and oxidizing agents.

Decomposition Products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization:

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Toxicity:

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Hexylene glycol (107-41-5)

Inhalation LC50 Rat : >310 mg/m³/1H

Oral LD50 Rat : 3700 mg/kg

Oral LD50 Mouse : 3097 mg/kg

Dermal LD50 Rabbit : 8560 uL/kg

Carcinogenicity:

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

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Chronic Toxicity

Hexylene glycol is an eye, skin, and respiratory tract irritant and may cause allergic skin sensitization reactions. Ingestion of hexylene glycol may cause central nervous system (CNS) depression characterized by headache, drowsiness, weakness, and loss of coordination and judgement.

Tall oil fatty acids (rosin acids) have been reported to cause skin sensitization reactions in sensitive individuals.

Other Toxicological Information:

None available.

*** Section 12 - Ecological Information ***

Ecotoxicity:

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Hexylene glycol (107-41-5)

Test & Species		Conditions
LC50 (96 hr) fathead minnow	10,700 mg/L.	Flow-through, 24-26 °C, pH 7.5, 45.5 mg/L CaCO3.
LC50 (24 hr) goldfish	5000 mg/L.	
EC50 (5 min) Photobacterium phosphoreum	3038 mg/L Microtox test.	

Environmental Fate:

No information available for the product.

*** Section 13 - Disposal Considerations ***

Wastes must be tested using methods described in 40 CFR Part 261. It is the generator's responsibly to determine if the waste meets applicable definitions of hazardous wastes. State and local regulations may differ from Federal disposal regulations. Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.

*** Section 14 - Transportation Information ***

US DOT Information

Proper Shipping Name NOT D.O.T. REGULATED
Hazard Class
UN / NA Number
Packing Group
Product RQ (lb)

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information available.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No Reactive: No

State Regulations

A: General Product Information

No additional information available.

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B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Hexylene glycol	107-41-5	Yes	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Tall oil fatty acids	61790-12-3	Yes	Yes	Yes
Potassium borate	12712-38-8	Yes	No	No
Hexylene glycol	107-41-5	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Hexylene glycol	107-41-5	1% item 837 (970)

*** Section 16 - Other Information ***

NFPA Ratings: Health: 2 Fire: 1 Reactivity: 0 Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS Ratings: Health: 2* Fire: 1 Reactivity: 0 Pers. Prot.:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Key/Legend:

ACGIH = American Conference of Governmental Industrial Hygienists	NFPA = National Fire Protection Association
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act	NIOSH = National Institute for Occupational Safety and Health
EPA = Environmental Protection Agency	NTP = National Toxicology Program
HMIS = Hazardous Material Identification System	OSHA = Occupational Safety and Health Administration
IARC = International Agency for Research on Cancer	SARA = Superfund Amendments and Reauthorization Act
MSHA = Mine Safety and Health Administration	TSCA = Toxic Substance Control Act

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Chemtech Finishing Systems bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Contact: Jeff Szotek

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Contact Phone: (800) 791-2928 (X227)

This is the end of MSDS for BUFLEEN.