



Safety Datasheet

Section 1—Chemical Product and Company Identification

Product Identifier: HB-104 BULLDOG Cleaner and degreaser

Product Use: General purpose detergent concentrate

Manufacturer: H&B Industries, Inc. PO Box 29838, Dallas, Texas 75229, tel. 214-350-1984

Emergency Contact: INFOTRAC, +1 352-323-3500 (international), 800-535-5053 (toll free US and Canada).

Section 2—Hazards Identification

Physical Hazards: Not Classified as Hazardous

Health Hazards: Eye Corrosion: 1

Skin Corrosion: 1

Environmental Hazards: Acute Aquatic Toxicity: 3

Chronic Aquatic Toxicity: 3

Signal Word: Symbols:

Hazard Statements: Causes severe skin burns and serious eye damage. Harmful to aquatic life with long lasting effects.

Precautionary Statements: Do not breathe dusts or mists. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection, face protection. Avoid release to the environment.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor. Store locked up.

Dispose of contents and container in accordance with local, regional, national, international regulations.

Other Hazards: None found.

Unknown Ingredients: N/D

Section 3—Information on Ingredients

Ingredient Name	Ingredient Percentage	Ingredient CAS No
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Sodium Metasilicate Anhydrous	1-5	6834-92-0
Ethylene Glycol Butyl Ether	5-10	111-76-2
Dodecyl Benzene Sulfonic Acid	1-5	68584-22-5
Product as a Whole	100	N/D

Section 4—First Aid Measures

Skin contact: If on skin or hair: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Eye contact: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

Ingestion: If swallowed: No need for first aid is anticipated if material is swallowed. If irritation occurs, seek medical attention.

Inhalation: If inhaled: Get to fresh air. If not breathing or if breathing is difficult, provide respiratory assistance and seek medical attention.

Most important symptoms/effects, acute and delayed: N/D

Indication of immediate medical attention/special treatment: N/D

Section 5—Fire-Fighting Measures

Suitable extinguishing media: Use media suitable to surrounding fire.

Specific hazard arising from chemicals: Oxides of carbon.

Special equipment and precautions: Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

Section 6—Accidental Release Measures

Personal precaution, protective equipment, emergency procedures: Avoid contact with skin and eyes. Do not ingest. Do not inhale. Wear Personal Protective Equipment (refer to section 8).

Methods and material for containment and clean up: Avoid release to the environment. Stop discharge and contain material. Substantial quantities may be recovered with a vacuum pump. Use explosion proof equipment if flammable or combustible. Otherwise, use appropriate absorbent. Place contaminated material in container suitable for disposal. Use appropriate protective equipment. Be sure there is adequate ventilation. Do not flush to streams or other bodies of water. Contact appropriate environmental agencies if further guidance is required.

Section 7—Handling and Storage

Precautions for safe handling: Wash thoroughly after handling, especially before eating, drinking, smoking or using restroom facilities. Wash goggles and gloves. Launder contaminated clothing. Do not swallow. Do not get in eyes. Do not inhale mists or vapors.

Cautions for safe storage: Store locked up.

Incompatibilities: Strong alkalis and oxidizing agents.

Section 8—Exposure controls/personal protection



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Exposure Limits:

Ethylene Glycol Butyl Ether: TLV (ACGIH) **25 ppm**. **Sodium Metasilicate**: TLV (ACGIH) 2 mg/m³

Specific Engineering: Use local exhaust ventilation if necessary.

Individual protective equipment and measures: Eyes: chemical goggles; face shield if splashing is possible. Skin: normal protective clothing; impervious gloves. Respiratory: If operator will be exposed to concentrated mist or vapor or if irritation is experienced, NIOSH approved respirator for organic vapors.

Section 9—Physical and Chemical Properties

Physical State: Liquid	Flammability (solid, gas): Not Flammable
Color: Clear, may be water white or contain a tracer dye such as Yellow	Vapor Pressure (mmHg): N/D
Odor: Characteristic "butyl" odor	Vapor Density (air= 1): N/D
Odor Threshold: N/D	Relative Density: (H ₂ O=1) 1.10
pH: 11.9	Solubilities: In water: complete
Melting point/freezing Point: N/D	Partition Coefficient: N/D
Initial Boiling Point and Boiling Range: N/D	Auto-Ignition Temperature: N/D
Flash Point: N/D	Decomposition Temperature: N/D
Evaporation Rate: N/D	Viscosity: N/D
Upper/Lower Flammability or Explosive limits: N/D	

Section 10—Stability and Reactivity:

Chemical Stability: Stable	Condition to Avoid: N/D
Reactivity: No specific reactivity test data available for this mixture.	Possibility of Hazardous Reaction: Hazardous Polymerization : N/D
Incompatible Materials: Strong alkalis and oxidizing agents.	Hazardous Decomposition Products: Oxides of carbon.

Section 11—Toxicological information:

Information on the likely routes of exposure: Skin contact, eye contact, inhalation, ingestion.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Sodium Metasilicate Anhydrous	1,280 mg/kg	N/D	N/D
Ethylene Glycol Butyl Ether	470 mg/kg	N/D	N/D
Dodecyl Benzene Sulfonic Acid	650 mg/kg	N/D	N/D
Product as a Whole	3,532 mg/kg	N/D	N/D

Important symptoms: Refer to Section 4—First Aid Measures.

Effects of Acute Exposure: Skin: contact may cause irritation, redness, and dry skin. Eyes: contact may cause irritation and tearing. Ingestion: may cause irritation of intestinal tract, nausea, and diarrhea. Inhalation: inhalation of mists may irritate respiratory system.

Effects of Chronic Exposure: N/D

Carcinogenicity: IARC, ACGIH, NTP, OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, **OSHA respectively**.

Other Data: N/D



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Section 12—Ecological Information:

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Dodecyl Benzene Sulfonic Acid: EC50 Algae: 29 mg/l 96 hours. EC50 Daphnia: 2.4 mg/l 48 hours. LC50

Fish: 1.67 mg/l 96 hours

Persistence and degradability: N/D	Bioaccumulative Potential: N/D
Mobility in Soil: N/D	Other Adverse Effects: N/D

Section 13—Disposal Considerations

Waste Treatment Method: Avoid release to the environment. **DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.** All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destruction device. Waste water **treatment system.**

Section 14—Transport Information

UN number:	UN proper shipping name:
Transport hazard class(es) :	Packing group if applicable:
Environmental hazards:	Special precautions:
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	

Section 15—Regulatory information

Section 16—Other Information

Key to Abbreviations:

no info not determined, no information found

N/D not determined, no information found

Date SDS Prepared: January 1, 2023

Suggested NFPA rating: H=1, F=0, I=0, S=None.

Suggested HMIS rating: H=1, F=0, P=0, PPE=N/D. (NPCA recommends that PPE codes be determined by the employer, who is most familiar with the actual conditions under which chemicals are used at the work location.)

This information is prepared according to 29 CFR 1910.1200 and is based on typical working conditions, use of product according to label directions, and the works of others. It may not be accurate. Actual use conditions are beyond our control. Employers should make their own studies to determine the suitability of the information for their purposes. Users assume all risks of use, handling, and disposal of the product, or of publishing, use, or reliance upon, this information. We assume no liability for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.