

Material Safety Data Sheet

BULLDOG Maximum Performance Degreaser

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FOR CHEMICAL EMERGENCY
Call INFOTRAC
800/535-5053 (24 HOURS)

Section I: Product Identification

Product name: BULLDOG
Synonym: Degreaser
Molecular Formula: Blended Cleaner/
Degreaser– Water-based.

The “Plain English” Section

Material Safety Data Sheets can be confusing. Federal law requires us to print a great deal of technical information, which probably won't help the non-scientist. ECOLINK includes this “PLAIN ENGLISH” section, written to address the questions and concerns of the average person. If you have additional health, safety or product questions, don't hesitate to call us at 800/886-8240.

Health Hazards: BULLDOG is an industrial chemical. It is strong enough to remove tough industrial soils, so it can irritate your skin. We suggest you wear gloves and avoid extended exposure to unprotected skin. Don't get it in your eyes, or breath large amounts of the vapor. Used on a rag or from a spray bottle, the product won't produce fumes in any great quantity, (don't spray it under high pressure without adequate ventilation). For more exposure and first aid information, please read the complete MSDS.

Flashpoint: N/A.

Disposal: Straight from the drum, BULLDOG is not classified as a corrosive hazardous waste product. Once it is contaminated with whatever you are cleaning, the resulting mixture may fall under an additional hazardous classification, depending on whether or not the material you are cleaning is hazardous. If you aren't sure how to dispose of this material, give us a call and we will help you make the right decisions.

Section II: Hazardous Components

Chemical Name	Nonylphenoxy Polyethoxyethanol
CAS No.	9016-45-9
Approx. wt. %	N/A
Exposure	N/A

Chemical Name	Citrus Terpene
CAS No.	68647-72-3
Approx. wt. %	1-5%
Exposure	N/A

Chemical Name	*2-Butoxy Ethanol
CAS No.	111-76-2
Approx. wt. %	1-5%
Exposure	25 ppm skin

(*) Reportable under SARA Title 3 Section 313

Chemical Name	Sodium Metasilicate
CAS No.	6834-92-0
Approx. wt. %	N/A
Exposure	N/A

RCRA REGULATED:	No
CERCLA (superfund):	N/A
ALL MATERIALS IN PRODUCT ARE TSCA LISTED.	
DOT Regulated:	No
DOT Haz. Class:	N/A

Section III: Physical Data

Appearance & Odor:	Clear water white to light yellow with citrus odor.
Boiling Point:	221°F. @ 760 mm Hg
Specific Gravity:	1.045
Melting Point:	N/A
Solubility In Water:	Complete
VOC	104 grams/liter
Vapor Pressure (mm Hg.):	>1
Vapor Density (AIR=1):	Unknown
pH	12

Section IV: Fire & Explosion Hazard Data

Flash Point (Method):
Bulk Liquid (TCC) None

Flammable Limits:
LEL N/A
UEL N/A

Extinguishing Media:
Foam, alcohol foam, Co2, dry chemical, water fog

Special Fire Fighting Procedures:
Wear niosh approved self-contained breathing apparatus with full facepiece and protective clothing to prevent contact with skin and eyes. Use water spray to cool fire exposed containers.

Unusual Fire & Explosion Hazards:
Prolonged contact with aluminum may yield a concentration of flammable hydrogen gas.

Section V: Reactivity Data

Stability: Stable

Conditions to Avoid: Contact with aluminum, acids, poor ventilation

Incompatibility (materials to avoid): aluminum, magnesium, brass, copper, acids.

Hazardous Decomposition:
Incomplete combustion can yield carbon monoxide and toxic vapors.

Hazardous Polymerization: Will not occur.

Section VI: Health Hazard Data

Primary Routes of Exposure:
Oral, inhalation, & skin

Ingestion:
Swallowing may cause nausea and vomiting and may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage which can be harmful.

Inhalation:
Inhaling mist from spray may cause nose and throat irritation.

Eyes:
Irritant. Causes severe eye irritation and possible damage.

Skin or Contact:
Prolonged exposure may cause severe skin irritation.

First Aid:

Ingestion: Give 1 or 2 glasses of water followed by citrus juice, if available. Call physician, hospital emergency room or poison control center immediately.

Inhalation: Remove to fresh air. If coughing, difficult breathing or any other respiratory symptoms persist, seek medical attention at once.

Eyes: Irrigate immediately with water for at least 15 minutes, lifting eyelids periodically to remove contamination. Get medical attention if irritation persists.

Skin: Wash with soap and water. Thoroughly clean contaminated clothing and shoes before reuse. If symptoms persist, seek medical attention.

Carcinogen: NTP – Not Listed
IARC Monographs – None
OSHA REGS – Not Regulated

Section VII: Precautions for Safe Handling

HMIS Information:
Health – 2 / Reactivity – 0
Flammability – 1 Personal Protection – B

HMIS Definition:
0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Extreme
“/” in the Health Category denotes material does not target any major organs.
“**” in the Health Category denotes material may target certain organs.

Eye Protection
Chemical safety glasses.

Protective Gloves:
Impermeable gloves required.

Respiratory Protection:
Not required under conditions of normal use

Ventilation: General mechanical.

Other Protective Clothing or Equipment: Eyewash facility.

Work Practices: Wash hands after using and before smoking or eating. Avoid breathing spray mist. Avoid skin and eye contact.

Section VIII: Control Measures

Small Spill: Keep spectators away. Dike and contain spill. Neutralize with baking soda to ph 6-10. Wet vac up or cover with inert material (sand, earth). Transfer to covered plastic containers for recovery or disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent.

Large Spill: Keep spectators away. Dike and contain spill. Neutralize with baking soda to ph 6-10. Wet vac up or cover with inert material (sand, earth). Transfer to covered plastic containers for recovery or disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent.

Waste Disposal Method: Disposal of unneutralized material or its container requires compliance with applicable labeling, packaging, and recordkeeping standards.

Precautions To Be Taken In Handling & Storing: Material should be stored in a cool dry area in a closed container. Read and follow all warnings and safe handling procedures on the MSDS and product label.

Other Precautions: Read and follow all label directions. Read msds before using product. Keep this and all chemicals out of the reach of children.

Section IX: Part Number & Packaging

<u>Product Name</u>	<u>Part No.</u>	<u>Packaging</u>
Bulldog	1037-55	55 Gal Drum
Bulldog	1037-5	5 Gal Pail
Bulldog	1037-1	4 x 1 Gal Case

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END OF MSDS