



G.H.BERLIN WINDWARD
 Division of Booth Waltz Enterprise, Inc.
 42 Rumsey Road East Hartford, CT 06108 Phone 860-289-7800

Safety Data Sheet

ALL PURPOSE CLEANER AND DEGREASER

Section 1. Identification

Product Use: BIODEGRADABLE, PHOSPHATE FREE, ALKALINE WATER BASE DETERGENT
Date Issue: 5/27/15 **Supersedes:** 3/9/15

Emergency Telephone Numbers: INFOTRAC 1-800-535-5053
Prepared By: Chem Quest, Inc.
Website: www.chem-quest.com
E-mail: chemquest@roadrunner.com

Section 2. Hazard(s) identification

HMIS Hazard Rating

0 = Insignificant

1 = Slight

2 = Moderate

3 = High

4 = Extreme

HEALTH	1	FLAMMABILITY	0	REACTIVITY	0	SPECIFIC HAZ.	0
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Emergency overview

WARNING !

CAUSES EYE AND SKIN IRRITATION. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. MAY BE HARMFUL IF SWALLOWED.

Acute Effects

Routes of Entry Dermal contact. Eye contact.

Eyes Liquid in eye may cause irritation with possible damage if not rinsed immediately. Inflammation of the eye is characterized by redness, watering and itching.

Skin May cause skin irritation. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

Inhalation Avoid breathing vapors, spray or mists. Over-exposure by inhalation may cause respiratory irritation.

Ingestion May cause gastrointestinal disturbances. May cause burns to mouth, throat and stomach.

Chronic effects Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients	CAS Number	Weight
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	5 - 15
POTASSIUM HYDROXIDE	1310-73-2	1 - 5

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

Skin Contact Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops.

Inhalation Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If affected person is conscious, give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point	NONE
Flammable Limits	N/A
Flammability	Non-Flammable
Fire hazard	None
Fire-Fighting Procedures	Use an extinguishing agent suitable for the surrounding fire.

Section 6. Accidental Release Measures

Spills Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container

Disposal Method Dispose of in accordance with state, federal, or local Regulations.

Section 7. Handling and Storage

Handling Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Do not breathe vapor or mist. Do not ingest. Do not reuse container. Wash thoroughly after handling.

Storage Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C).

Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve

POTASSIUM HYDROXIDE

Exposure limits**ACGIH TLV (United States).**

TWA: 20 ppm 8 hour(s). Form:

OSHA PEL (United States). Skin

TWA: 50 ppm 8 hour(s). Form:

ACGIH TLVC 2 mg/m³

Personal Protection



Eyes Safety Goggles.

Body Recommended: Neoprene gloves. Rubber gloves. Nitrile gloves.

Respiratory Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

Section 9. Physical and Chemical Properties

Boiling Point	212°F
Vapor Pressure (@20OC)	N/A
Vapor Density (Air=1)	>1
Solubility in H² O	Complete
Specific Gravity	1.038
Evaporation Rate (Acetone=1)	<1
pH	12.0
Appearance and Color	Purple Liquid – Grape Odor

Section 10. Stability and Reactivity

Chemical Stability	Stable
Conditions to Avoid	None
Materials to Avoid	Strong Acids
Hazardous Polymerization	None
Hazardous Decomposition Products	Burning may produce carbon monoxide and/or carbon dioxide.

Section 11. Toxicological Information

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Ethylene Glycol Mono butyl Ether	LD50 Dermal	Rabbit	680 mg/kg	-
	LD50 Oral	Rat	1746 mg/kg	-
	LC50 Inhalation Vapor	Rat	450 ppm	4 hours

Section 12. Ecological Information

Environmental Effects:	No known significant effects or critical hazards.
Aquatic Ecotoxicity:	Not available.

Section 13. Disposal Considerations

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream	Code: D002 Classification: - [Hazardous waste] Origin: - [RCRA waste.]
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Section 14. Transport Information

UN or NA Number	None
DOT Shipping Name	Cleaning Compound – Non-Regulated Material
Reportable Quantity	None

Other Precautions

None

Section 15. Regulatory Information**Federal and State Regulations:**

SARA 313 toxic chemical notification and release reporting:

Product Name:

Ethylene Glycol Monobutyl Ether

Clean Water Act (CWA) 307: No products were found.**Clean Water Act (CWA) 311:** No products were found.**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

State Regulations**California Prop 65** No products were found.**Section 16. Other Information**

The information on this data sheet represents our current data and best opinions as to the proper use and handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves using the product in combination with any other product or any process is the responsibility of the user.