



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name gēBLAST
CAS # Mixture
Product use Laundry detergent
Manufacturer Gurtler Industries, Inc.
15475 South LaSalle St.
South Holland, IL 60473 US
Phone: 708-331-2550
Emergency Phone: INFOTRAC - 800-535-5053

2. Hazards Identification

Emergency overview CAUTION
CAUSES SKIN IRRITATION.
CAUSES EYE IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION.

Potential short term health effects

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes Causes irritation.

Skin Causes irritation. May be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

Ethylene glycol monobutyl ether (CAS 111-76-2) Can be absorbed through the skin.

Inhalation May cause respiratory tract irritation.

Ingestion May cause stomach distress, nausea or vomiting.

Target organs Blood. Eyes. Kidney. Liver. Respiratory system. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

OSHA regulatory status This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects See section 12.

3. Composition/Information on Ingredients

Components	CAS #	Percent
Alcohols, C12-13, ethoxylated	66455-14-9	7 - 13
Alcohols, C12-15, ethoxylated	68131-39-5	7 - 13
Ethylene glycol monobutyl ether	111-76-2	1 - 5

4. First Aid Measures

First aid procedures

Eye contact Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

Skin contact Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

Notes to physician Symptoms may be delayed.

General advice

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties	Not flammable by WHMIS/OSHA criteria.
Extinguishing media	
Suitable extinguishing media	Alcohol foam. Dry chemical. Carbon dioxide.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of sulfur. Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

7. Handling and Storage

Handling	Avoid contact with eyes. Avoid contact with skin and clothing. Ensure adequate ventilation. Avoid breathing vapors or mists of this product. Use good industrial hygiene practices in handling this material. Wash thoroughly after handling. When using do not eat or drink. Keep container tightly closed.
Storage	Store in a closed container away from incompatible materials. Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits**US. ACGIH Threshold Limit Values**

Components	Type	Value
Ethylene glycol monobutyl ether (CAS 111-76-2)	TWA	20 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethylene glycol monobutyl ether (CAS 111-76-2)	PEL	240 mg/m ³
		50 ppm

Exposure limits	Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.
Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields.
Hand protection	Rubber gloves. Confirm with a reputable supplier first.
Skin and body protection	As required by employer code.
Respiratory protection	Not normally required if good ventilation is maintained. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
General hygiene considerations	Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance	Clear
Color	Green
Form	Liquid
Odor	Characteristic
Odor threshold	Not available.
Physical state	Liquid.
pH	7.5 ± 1
Freezing point	Not available.
Boiling point	Not available
Pour point	Not available.
Evaporation rate	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Flammability limits in air, upper, % by volume	Not available
Flammability limits in air, lower, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.005 ± 0.006
Partition coefficient (n-octanol/water)	Not available
Solubility (water)	Not available
Relative density	Not available.
Viscosity	50 ± 25
VOC	Not available
Percent volatile	Not available

10. Stability and Reactivity

Reactivity	This product may react with strong acids and strong oxidizing agents. This product may react with reducing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizers. Reducing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of sulfur. Sulfur oxide.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
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Alcohols, C12-13, ethoxylated (CAS 66455-14-9)

Acute

Dermal

LD50	Rabbit	2000 mg/kg
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Oral

LD50	Rat	2000 mg/kg
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LC50

Not available.

Alcohols, C12-15, ethoxylated (CAS 68131-39-5)

Acute

Dermal

LD50	Rabbit	2000 mg/kg
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Oral

LD50	Rat	1600 mg/kg
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LC50

Not available.

Ethylene glycol monobutyl ether (CAS 111-76-2)

Acute

Dermal

LD50	Guinea pig	207 mg/kg
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	Rabbit	99 mg/kg
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	Rat	99 mg/kg
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Inhalation

LC50	Rat	2.2 mg/l, 4 Hours
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Oral

LD50	Rabbit	320 mg/kg
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	Rat	470 mg/kg
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Effects of acute exposure

Eye contact Causes irritation.

Skin contact Causes irritation. May be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

Ethylene glycol monobutyl ether (CAS 111-76-2) Can be absorbed through the skin.

Inhalation May cause respiratory tract irritation.

Ingestion May cause stomach distress, nausea or vomiting.

Sensitization Non-hazardous by WHMIS/OSHA criteria.

Chronic effects Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity See below.

ACGIH Carcinogens

Ethylene glycol monobutyl ether (CAS 111-76-2) A3 Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Ethylene glycol monobutyl ether (CAS 111-76-2) Volume 88 - 3 Not classifiable as to carcinogenicity to humans.

Mutagenicity Non-hazardous by WHMIS/OSHA criteria.

Reproductive effects Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity Non-hazardous by WHMIS/OSHA criteria.

Name of Toxicologically Synergistic Products Not available.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Ecotoxicological data

Components		Species	Test Results
Alcohols, C12-13, ethoxylated (CAS 66455-14-9)			
Aquatic			
Crustacea	EC50	Water flea (Daphnia magna)	0.4 - 0.6 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.7 - 2.7 mg/l, 96 hours
Alcohols, C12-15, ethoxylated (CAS 68131-39-5)			
Aquatic			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	0.4 - 0.4 mg/l, 48 hours
Fish	LC50	Channel catfish (Ictalurus punctatus)	1 - 1.4 mg/l, 96 hours
Ethylene glycol monobutyl ether (CAS 111-76-2)			
Crustacea	EC50	Daphnia	1819 mg/L, 48 Hours
Aquatic			
Fish	LC50	Inland silverside (Menidia beryllina)	1250 mg/l, 96 hours

Persistence and degradability Not available.

Bioaccumulation / Accumulation Not available.

Mobility in environmental media Not available.

Environmental effects Not available.

Aquatic toxicity Not available.

Partition coefficient

Ethylene glycol monobutyl ether 0.83

Chemical fate information Not available.

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations.

Waste from residues / unused products Not available

Contaminated packaging Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Basic shipping requirements:

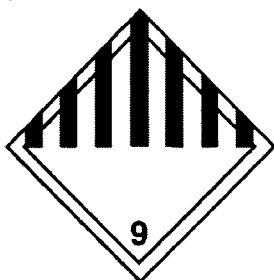
UN number UN3082
Proper shipping name Environmentally hazardous substances, liquid, n.o.s. (Alcohols, C12-13, ethoxylated)
Hazard class 9
Packing group III
Special provisions 8, 146, IB3, T4, TP1, TP29
Packaging exceptions Not regulated - <119 gallons and by road
ERG code 171

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

UN number UN3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohols, C12-13, ethoxylated)
Hazard class 9
Packing group III
Marine pollutant •
Special provisions 16
Packaging exceptions <5L - Limited Quantity

DOT; TDG



15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Canada CEPA Schedule I: Listed substance

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Ethylene glycol monobutyl ether (CAS 111-76-2) 1 tonnes

Canada Priority Substances List (Second List): Listed substance

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.

Canada WHMIS Ingredient Disclosure: Threshold limits

Ethylene glycol monobutyl ether (CAS 111-76-2) 1 %

WHMIS status Controlled

WHMIS classification Class D - Division 2B

WHMIS labeling



Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US CAA Section 111 Volatile Organic Compounds: Listed substance

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Clean Water Act (CWA) Hazardous substance

State regulations WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Listed.

US - Minnesota Haz Subs: Listed substance

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.

US - New Jersey RTK - Substances: Listed substance

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.

US - Texas Effects Screening Levels: Listed substance

Alcohols, C12-15, ethoxylated (CAS 68131-39-5) Listed.

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.

US. Massachusetts RTK - Substance List

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.

US. Pennsylvania RTK - Hazardous Substances

Ethylene glycol monobutyl ether (CAS 111-76-2) Listed.

US. Rhode Island RTK

Not regulated.

Inventory status

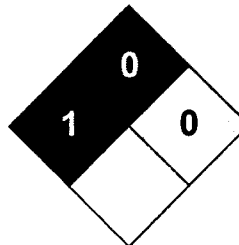
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 1
FLAMMABILITY	0
	0
PERSONAL PROTECTION	X



Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Prepared by

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.