



SDS Date: 01/17/2020

Version: 5

Supersedes: All Previous Issues

SAFETY DATA SHEET

Gunk Engine Cleaner & Degreaser

SECTION 1. IDENTIFICATION

Product Name: Gunk Engine Cleaner & Degreaser
Applicable Product Code(s): EBT32
CAS #: Mixture
Tariff Code: 3402.20.5100
Product Type: Finished Product – Consumer (Retail) Use Only.
Recommended Use: Cleaning
Restrictions for Use: Use only as directed on label

Company Name: Blumenthal Brand Integrated, LLC
Company Address: 600 Radiator Road
Indian Trail, NC 28079
Telephone (704) 821-7643
Emergency Phone Number
Poison Control (RMPDC) (303) 623-5716
Poison Control (RMPDC) (877) 740-5015
Website www.solvewithB.com
Email sds@solvewithB.com

Manufacturer Name: RGA Enterprises INC.
Manufacturer Address: 4001 Performance Rd.
Charlotte, NC, 28208

RGA Contact: Customer Service Department: (704)-398-0487 (8 A.M. to 5:00 P.M. EST, Monday-Friday),
customerservice@rgaenterprises.com
or
National Poison Control Center: (800)-222-1222
or
Local Poison Control Center or your physician
or
Chem Tel: (800)-255-2924

SECTION 2. HARZARDS IDENTIFICATION. See Section 11 for additional information

NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The container label may not include the OSHA label elements listed in this document. Always carefully review the entire SDS and the product label prior to use in the workplace.

Hazard Category:

Serious eye damage/ eye irritation	Category 1
Hazardous to the aquatic environment, acute hazard	Category 3
Hazardous to the aquatic environment, long-term hazard	Category 3

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Signal Word

Danger

Hazard Statements

Causes serious eye damage
Hazardous to the aquatic environment

Hazard pictograms

**Precautionary Statements-
Prevention**

Use as directed. Keep out of reach of children.
Avoid release to the environment. Wear eye protection/ face protection.

Physical appearance:

Liquid

**Precautionary Statements-
Storage**

Store in original container.

**Precautionary Statements -
Disposal:**

Dispose of contents/container in accordance with local regulations.

Hazardous not otherwise classified (HNOC) None

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Trade Secret	CAS-No	Wt%
2-(2-butoxythoxy) Ethanol	No	112-34-5	5 - 10
Alcohols, C12-16, Ethoxylated (>1 <2.5 Mol Eo)	No	68551-12-2	1 - 3
Alcohols, C9-11, ethoxylated	No	68439-46-3	1 - 3
Sodium Carbonate	No	64-02-8	< 1.00
Tetrasodium EDTA	No	64-02-08	< 0.30
Sodium Hydroxide	No	1310-73-2	< 0.10
Sodium Chloride	No	7647-14-5	< 0.10

Precise concentration of ingredients is not used due to protect confidentiality and due to batch variation.



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Other components are below reportable levels.

SECTION 4. FIRST AID MEASURES

First aid measures for different exposure routes:

Eye contact:	Rinse with plenty of water. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin contact:	Rinse with plenty of water. Remove contaminated clothing promptly and launder before reuse. Get medical attention immediately if irritation develops or persists.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Ingestion:	Do NOT induce vomiting. Seek medical attention immediately. Contact local Poison Control Center.

Most Important symptoms/effects: Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Acute and delayed.

Indication of immediate medical attention and special treatment, if necessary:

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed

Notes to Physician: Treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Dry chemical, CO ₂ , alcohol-resistant foam, or water fog.
Unsuitable Extinguishing Media:	Do not use water jet as an extinguisher, as this will spread fire.
Special hazard:	During fire, gases hazardous to health may be formed.
Special protective equipment for Fire-fighters	As in any fire, wear self-contained breathing apparatus pressure demand. MSHA/NIOSH (approved or equivalent) and full protective gear.
Specific hazards arising from the chemical	None

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

Personal precautions:	Keep unnecessary personnel away. Keep people away from upwind spill/leak. Use personal protective equipment. Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Advice to emergency responders:	Use personal protective equipment as required.



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Methods of Containment: Adsorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up: This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.
Floor and surfaces may be slippery. Mop up small spills. Dike area with sand or other inert material for large spills. Use absorbent material and disposal according to local / national regulations (see section 13). Following product recovery, flush area with water.

SECTION 7. HANDING AND STORAGE

Precautions for safe handling:

Advice on safe handling: Do not get this material in contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Use personal protective equipment as required. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities:

Storage Conditions: Store in original tightly closed container. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS).

Incompatible products: Strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:**Exposure Guidelines:**

Chemical Name	CAS-No	ACGIH TLV	OSHA PEL
2-(2-butoxythoxy) Ethanol	112-34-5	10 ppm	-
Sodium Hydroxide	1310-73-2	2 mg/m ³	2 mg/m ³

Exposure controls:**Engineering Measures:****Distribution, Workplace and Household Settings:**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Personal Protective Equipment:



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Eye Protection:	Distribution, Workplace and Household Settings: Wear safety glasses with side shields (or goggles) or a face shield.
Hand Protection:	Distribution, Workplace and Household Settings: For sensitive skin or prolonged exposure, wear gloves.
Skin and Body Protection:	Distribution, Workplace and Household Settings: Wear appropriate chemical resistant gloves. Wear suitable protective clothing.
Respiratory Protection:	Distribution, Workplace and Household Settings: Chemical respirator with organic vapor cartridge and full facepiece if threshold limits is exceeded. Dust mask.
Thermal Hazard	Distribution, Workplace and Household Settings: Wear appropriate thermal protective clothing, when necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @ 20°C:	liquid
Appearance:	Clear liquid.
Odor:	Citrus
Odor threshold:	no information available

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH Value	8.0 - 8.5	
Melting/freezing point:	-90.58 °F (-68.1 °C) estimated	
Boiling point/boiling range:	446.72 °F (230.4 °C) estimated	
Flash point:	> 237.0 °F (> 113.9 °C) estimated	
Evaporation rate:	No information available	
Flammability (solid, gas):	No information available	
Flammability Limits in Air:	No information available	
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure:	0.002 hPa estimated	
Vapor density:	No information available	
Specific Gravity:	1.01 g/mL @ 70°F(20°C)	
Water solubility:	No information available	
Solubility in other solvents:	No information available	
Partition coefficient: n-octanol/water:	No information available	
Auto ignition temperature:	442 °F (227.78 °C) estimated	No
Decomposition temperature:	information available	
Viscosity of Product:	No information available	
Percent volatile:	96.28	
VOC Content (%):	0%	

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	None under normal use conditions
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Stability: Stable under normal conditions.

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to Avoid: Contact with incompatible materials

Materials to Avoid: Strong oxidizing agents..

Hazardous Decomposition Products: None in particular.

SECTION 11. TOXICOLOGICAL INFORMATION**Product Information:****Information on likely routes of exposure.**

Inhalation: Prolonged inhalation may be harmful.

Skin contact: No adverse effects due to skin contact are expected.

Ingestion: Expected to be a low ingestion hazard.

Eye contact: Causes serious eye damage.

Delayed and immediate effects as well as chronic effects form short and long-term exposure:

Acute toxicity No known effect.

Skin corrosion/irritation No known effect.

Serious eye damage/eye irritation Causes serious eye irritation.

Skin sensitization No known effect.

Respiratory sensitization No known effect.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Neurological Effects No known effect.

Reproductive toxicity This product is not expected to cause reproductive effects.

Developmental toxicity This product is not expected to cause developmental effects.

Teratogenicity No known effect.

STOT – single exposure No known effect.

STOT – repeated exposure No known effect.

Target Organ Effects No known effect.

Aspiration hazard No known effect.

Carcinogenicity Not classifiable as to carcinogenicity to humans.

Component Information:

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
2-(2-butoxyethoxy) Ethanol	112-34-5	Rat- 4500 mg/kg	Rabbit- 2700 mg/kg	-
Sodium Carbonate	497-19-8	Rat- 4090 mg/kg	-	-
Sodium Chloride	7647-14-5	Rat-3000 mg/kg	-	-

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity:**



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This product is not expected to be hazardous to the environment.

Chemical Name	CAS-No	Species	Test Results
2-(2-butoxyethoxy) Ethanol	112-34-5	Bluegill (<i>Lepomis macrochirus</i>)	LC50: 1300 mg/l, 96 hours
Alcohols, C9-11, ethoxylated	68439-46-3	Water Flea (<i>Daphnia magna</i>) Fathead minnow (<i>Pimephales promelas</i>)	EC50: 2.9-8.5 mg/l, 48 hours LC50: 6-12 mg/l, 96 hours
Sodium Hydroxide	1310-73-2	Water Flea (<i>Daphnia magna</i>) Western mosquitofish (<i>Gambusia affinis</i>)	EC50: 34.59-47.13 mg/l, 48 h LC50: 125 mg/l, 96 hours
Sodium Carbonate	497-19-8	Water Flea (<i>Daphnia magna</i>) Bluegill (<i>Lepomis macrochirus</i>)	EC50: 156.6-298.9 mg/l, 48 h LC50: 300 mg/l, 96 hours
Sodium Chloride	7647-14-5	Water Flea (<i>Daphnia magna</i>) Fathead minnow (<i>Pimephales promelas</i>)	EC50: 340.7-469.2 mg/l, 48 h LC50: 6020 - 7070 mg/l, 96 hours
Tetrasodium EDTA	64-02-8	Bluegill (<i>Lepomis macrochirus</i>)	LC50: 472-500 mg/l, 96 hours

Persistence and degradability: No information available.

Bioaccumulative potential: **Partition coefficient n-octanol / water (log Kow)**
2-(2-butoxyethoxy) Ethanol 0.56

Mobility: No information available.

Other adverse effects: No information available.

SECTION 13. DISPOSAL CONSIDERATIONS**Waste Treatment:****Waste from Residues / Unused Products**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. regulations. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated packaging:

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

General information: DOT Regulated marine pollutant.

Ground Transport (US DOT): Not regulated

IMDG: Not regulated

Air Transport (IATA): Not regulated

SECTION 15. REGULATORY INFORMATION



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Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations Part 372.

SARA 311/312 Hazardous Categorization:

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactivity Hazard	No

California Proposition 65:

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

2-(2-butoxyethoxy) Ethanol (CAS 112-34-5) Soda, Caustic (CAS 1310-73-2)

U.S. State Regulations (Right-to-know):

Ingredient	CAS#	CA RTK	CT RTK	FK RTK	IL RTK	LA RTK	MA RTK	MI RTK	NJ RTK	PA RTK	RI RTK
Tetrasodium EDTA	64-02-8								X	X	
2-Butoxyethanol	111-76-2						X		X	X	

International Inventories:

Country(s) or region	Inventory Name	On inventory (Yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States and 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) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).



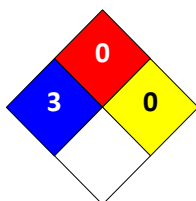
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SECTION 16. OTHER INFORMATION

Other Information:

NFPA



HMIS

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by RGA Enterprises to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. RGA Enterprises assumed no responsibility for injury to the recipient or third person or for any damage to any property resulting from misuse of the product.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.