



Safety Data Sheet

Conforms to OSHA 29 CFR 1910.1200 and aligns to the United Nations Globally Harmonized System
Date of Revision: 01/10/2022 Revision: 0

Section 1 - Chemical Product and Company Identification

Product Name: Ryobi Biodegradable Bar and Chain Lubricant

1.2 Synonym: Blend

1.3 Manufacture: B3C Fuel Solutions LLC, 108 Daytona Street, Conway, SC 29526, 843-347-0482

1.4 Distributor: Techtronic Industries Power Equipment, PO box 1288. Anderson SC 29622, 1-800-535-2579

1.5 Recommended Use: Water-based bar and chain lubricant

1.6 RESTRICTIONS on USE: **None**

1.7 Emergency Response Number: INFOTRAC 800-535-5053

International Emergency Telephone Number: +1-352-323-3500

Section 2 - Hazards Identification

2.1 GHS HAZARD

2.1 HAZARD(S) IDENTIFICATION: None

2.2 SIGNAL WORD: None.

2.3 PICTOGRAMS: None

2.4 HAZARD STATEMENT: The mixture does not meet the criteria for classification.

PHYSICAL HAZARDS: Not classified

HEALTH HAZARDS: Not classified

ENVIRONMENTAL HAZARDS: None

PRECAUTIONARY STATEMENTS: Observe good industrial hygiene practices
Wash hands after handling.

RESPONSE STATEMENTS: If skin irritation occurs, get medical attention.
IF IN EYES. Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.

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STORAGE STATEMENTS: Store away from incompatible materials.

DISPOSAL STATEMENTS: Dispose of content and container following local, regional, national, and international regulations

2.5 Hazards not otherwise classified (HNOC) or not covered by GHS: None

2.6 Unknown acute toxicity: None

Section 3 - Composition / Information on Ingredients

3.1

CAS#	EC#	Chemical Names	Percent	Classification
57-55-6	200-338-0	Propane-1,2-diol (plant based)	30-80	Not Classified
102-71-6	203-338-0	2,2',2"-nitrioltriethanol	1-5	Not Classified
4719-04-4	225-208-0	2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol	0.5-0.8	Acute Tox 4 H302
7732-18-5	231-791-2	Water	35.8-81.5	Not classified

Section 4 - First Aid Measures

4.1 Eye: Contact with the eyes can cause irritation. Symptoms may include discomfort or pain and redness.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

4.2 Skin: Stop use and get medical aid if irritation or redness develops. Avoid contact with broken skin.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately and wash clothing before reuse.

4.3 Ingestion: Liquid ingestion can cause headaches, gastrointestinal pain, nausea, and vomiting.

Ingestion: Do NOT induce vomiting. Get medical aid immediately.

4.4 Inhalation: Do not inhale! Prolonged breathing vapor can cause headaches, dizziness, nausea, and impaired vision.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

4.5 After first aid, get appropriate paramedic or community medical support. The severity of outcome following exposure may be more related to the time between the exposure and treatment than the amount of the exposure. Therefore, there is a need for rapid treatment of any exposure.

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Section 5 - Fire-Fighting Measures

5.1 General Fire Hazards: NOT FLAMMABLE. Use water to cool containers exposed to fire.

5.2 Hazardous Combustion Products: Avoid fumes of burning products.

5.3 Extinguishing Media: Carbon dioxide, dry chemical, foam.

5.4 Fire Fighting Equipment/Instructions: Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

Section 6 - Accidental Release Measures

6.1 Spill /Leak Procedures: Ensure adequate ventilation. Use personal protective equipment. The material can create slippery conditions.

6.2 Spills: Clean contaminated surface thoroughly. Pick up and transfer to properly labeled containers.

Clean-up methods small spillage: Soak up with inert absorbent material.

Clean-up methods large spillage: Dam up. Take up mechanically and collect in a suitable container for disposal.

Section 7 - Handling and Storage

7.1 Handling Precautions: Wear eye protection. Ensure adequate ventilation.

7.2 Storage Requirements: Keep at a temperature not exceeding 104°F. Keep containers dry and tightly closed to avoid moisture absorption and contamination. To maintain product quality, do not store in heat or direct sunlight.

Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
Propane-1,2-diol (plant based)	None shown	None shown
2,2',2''-nitritotriethanol	5 mg/m ³ TWA	None shown
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol	None shown	None shown

8.2

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

NOTE: TWA Means "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour workweek which shall not be exceeded."

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8.3 Ventilation: Provide a general or local exhaust ventilation system to maintain airborne concentrations below TLV/PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.4 Contaminated Equipment: Separate contaminated work clothes from street clothes and launder them before reuse. Remove this material from your shoes and clean personal protective equipment.

8.5 Personal protective equipment

Respiratory protection Respirator not required for normal use

Where risk assessment shows, air-purifying respirators are appropriate to use a full-face respirator with a multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied-air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection Gloves are not required for normal use

Handle with gloves. Gloves must be inspected before use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011** or European EN374 Standard.

Full contact: Viton

Splash contact: Viton

Eye protection Not required for normal use

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection Not required for normal use

Impervious clothing: The protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

8.6 Protective Clothing Pictograms



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Section 9 - Physical and Chemical Properties

9.1

Physical State: Liquid

Appearance: Various

Odor: Characteristic order

Vapor Pressure: Not Available

Vapor Density (Air=1): Not Available

Specific Gravity (H₂O=1,): Not Available

Relative Density: Not Available

Odor Threshold: Not Available

Flammability (solid, gas): Not applicable.

Evaporation rate: Not Available

Partition coefficient octanol/water: Not Available

pH: None

Water Solubility: Not Available

Flash Point: Not Available

Boiling Point/Range: Not Available

Lower Explosive Limits (vol % in air): N/A

Upper Explosive Limits (vol % in air): N/A

Melting Point: Not Available

Viscosity: Not Available

Autoignition Temperature: Not Available

Decomposition temperature: Not Available

Section 10 - Stability and Reactivity

10.1 Stability: Stable under ordinary conditions of use and storage.

10.2 Polymerization: Hazardous polymerization has not been reported.

10.3 Chemical Incompatibilities: Strong oxidizing agents and Perchloric acid.

10.4 Hazardous Decomposition Products: Peroxides

10.5 Conditions to Avoid: Temperatures above 62°C, heat, sparks, open flames, other ignition sources.

Section 11- Toxicological Information

Acute Toxicity Estimate for this blend (ATE)

ATE (Oral): 20000 mg/kg

ATE (Dermal): 20800 mg/kg

ATE (Inhalation vapor/mist): 31.7 mg/l

11.1.1 OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause Harmful Oral Toxicity.

11.1.2 OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause Harmful Dermal Toxicity.

11.1.3 OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause Harmful Inhalation Toxicity.

11.2 Route of Entry: Skin and Eye Contact.

11.3 Aspiration Hazard: European Chemical Agency Database shows that no components of this product may be fatal if swallowed and enters airways.

11.4 Mutagenicity: OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause genetic defects.

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11.5 Skin Corrosion/Irritation: OECD Guideline Test results found in the European Chemical Agency Database shows that no components of this product cause skin irritation. Repeated exposure may cause skin dryness or cracking.

11.6 Serious Eye Damage/Irritation: OECD Guideline Test results found in the European Chemical Agency Database show that this product does not cause serious eye irritation.

11.7 Reproductive toxicity: OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause damage to fertility or the unborn child.

11.8 Skin Sensitization OECD Guideline Tests results found in the European Chemical Agency Database show no components of this product to cause skin sensitivity.

11.9 Respiratory Sensitization OECD Guideline Tests results found in the European Chemical Agency Database show no components of this product to cause respiratory sensitivity.

11.10 Specific Target Organ Toxicity (Single Exposure): European Chemical Agency Database shows that components no of this product may cause damage to Target Organ Toxicity due to a single exposure.

11.11 Specific Target Organ Toxicity (Repeated Exposure): European Chemical Agency Data Base shows that components no of this product may cause damage to Target Organ Toxicity due to repeat exposure.

11.12 Signs and Symptoms: Symptoms may include discomfort or pain and redness. Also, Headache, Dizziness, Drowsiness. Symptoms may be delayed.

11.13 Carcinogenicity: OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause cancer.

Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Propane-1,2-diol (plant based)	LC50 20613 mg/l	Fish	96 hours
2,2',2''-nitrioltriethanol	None Shown		
2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl) triethanol	LC50 100 mg/l	Fish	96 hours

Toxicity: OECD Guideline Test results found in the European Chemical Agency DataBase show no components of this product to harmful and can cause long-term toxicity to aquatic life. However, do not release it into a waterway.

12.2 Mobility: Floats on water.

12.3 Persistence/degradability: Inconclusive technical data.

12.4 Bioaccumulation: Inconclusive technical data.

12.5 Other adverse effects: Inconclusive technical data.

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Section 13 - Disposal Considerations

13.1 Disposal: DO NOT REUSE EMPTY CONTAINER! The container should be emptied before discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

Section 14 - Transport Information

14.1 DOT Transport Information

Not Regulated

Section 15 - Regulatory Information

15.1 US Regulations:

TSCA: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

Toxic Release Inventory (TRI): This product contains the following EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372):

CAS Number	Chemical Name	Chemical percentage by weight not exceeding
111-42-2	Diethanolamine	At demines% limits

This information must be included in all SDSs copied and distributed for this material.

CERCLA Hazardous Substances and corresponding RQs: None.

SARA Community Right-to-Know Program: None

Clean Water Act: None

Clean Air Act: None

OSHA: All ingredients are listed in 29 CFR 1910.1200.

State Regulations

California Prop 65



WARNING-Cancer - www.P65Warnings.ca.gov.

Chemicals on the following State Right to Know Lists:

Massachusetts: All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements.

New Jersey: All components of this product are on the New Jersey inventory or are exempt from Inventory requirements.

Pennsylvania: All components of this product are on the Pennsylvania Inventory or are exempt from Inventory requirements.

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Section 16 - Other Information

16.1 Disclaimer: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall determine the product's suitability for their particular purpose and on the condition that they assume the risk of their use.

16.2 References: CHEMpendium database of the Canadian Centre for Occupational Health and Safety (CCOHS), European Chemical Agency Data Base, and MSDS and SDS of chemicals in this mixture.

16.3 SDS Preparation Date 10/04/2021

SDS Previous Issue Date: None

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