

## Safety Data Sheet

### 1. Identification

**Product Name:** BIO SOURCED RIDGEFILLER

**Supplied by:** Briggate Medical Company  
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### 2. Hazards Identification

**GHS Classification in accordance with 29 CFR 1910.1200**

Eye Irritation, category 2A  
Flammable Liquid, category 1  
STOT, single exposure, category 3, NE

**GHS Pictograms**



**Signal Word**

Danger

**Unknown Acute Toxicity**

< 0.1% of the mixture consists of ingredient(s) of unknown acute toxicity

**HAZARD STATEMENTS**

Extremely flammable liquid and vapour.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

**Precautionary Statements - Prevention.**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wash face and hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response.**

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a poison center/doctor if you feel unwell.  
If eye irritation persists: Get medical advice/attention.  
In case of fire: Use CO<sub>2</sub> dry chemical or foam to extinguish.

**Precautionary Statements - Storage.**

Store in a well-ventilated place. Keep container tightly closed.  
Store in a well-ventilated place. Keep cool.  
Store locked up.

**Precautionary Statements - Disposal.**

Dispose of contents in accordance with local/regional/national/international regulations.

### 3. Composition/Information on Ingredients

| <u>Chemical Name</u>  | <u>CAS-No.</u> | <u>Wt. %</u> |
|---|----------------|--------------|
| Ethyl Acetate   | 141-78-6       | 25-50        |
| N-Butyl Acetate   | 123-86-4       | 10-25        |
| Nitrocellulose  | 9004-70-0      | 10-25        |
| 1,2,3-Propanetricarboxylic acid, 2-(acetyloxy)-, tributyl ester | 77-90-7        | 2.5-10       |
| Isopropyl alcohol   | 67-63-0        | 2.5-10       |
| Titanium Dioxide  | 13463-67-7     | 0.1-1.0      |

The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid Measures

**Description of first-aid measures.**

**General advice.**

Call a poison control center or doctor for treatment advice.

**Inhalation.**

Remove to fresh air immediately. Get medical attention immediately.

**Skin contact.**

Wash skin thoroughly with soap and water.

**Eye contact.**

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Ingestion.**

If swallowed do not induce vomiting. Seek immediate medical attention.

**Symptoms.**

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

**Notes to physician.**

Treat symptomatically.

### 5. Fire-fighting Measures

**Extinguishing media.**

**Suitable extinguishing media.**

Foam. Water spray or fog. Use CO<sub>2</sub>, dry chemical, or foam.

**Extinguishing media which shall not be used for safety reasons.**

Do not use a solid water stream as it may scatter and spread fire.

**Special hazards arising from the substance or mixture.**

Flash back possible over considerable distance. Vapors may form explosive mixture with air. Most vapors are heavier than air. Vapors may spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors heavier than air. Development of hazardous combustion gases or vapors possible in the event of fire. Combustion may produce carbon monoxide, carbon dioxide, and irritating or toxic vapors and gases.

**Advice for firefighters.**

WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

## 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures.

#### **Personal precautions.**

Personal precautions. Use personal protective equipment. All equipment used when handling the product must be grounded. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).

#### **Advice for emergency responders.**

Refer to protective measures listed in sections 7 and 8.

### Environmental precautions.

Environmental precautions. Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water.

### Methods and materials for containment and cleaning up.

#### **Methods for Containment.**

Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Remove all sources of ignition.

#### **Methods for cleaning up.**

No Information

### Reference to other sections.

See section 8 for more information.

## 7. Handling and Storage

### Conditions for safe storage, including any incompatibilities.

#### **Advice on safe handling.**

Handle in accordance with good industrial hygiene and safety practice. Take precautionary measures against static discharges. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Vapors may form explosive mixtures with air. Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing. Do not use sparking tools. No smoking.

#### **Hygiene measures.**

Do not drink, taste, swallow or ingest this product. Wash thoroughly after handling product. Always wash up before eating, smoking or using toilet facilities.

#### **Storage Conditions.**

Keep in properly labeled containers. Keep away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Use spark-proof tools and explosion-proof equipment. Keep away from oxidizing agents and strongly acid or alkaline materials.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u>  | <u>OSHA PEL-CEILING</u> |
|----------------------|----------------------|-----------------------|----------------------|-------------------------|
| Ethyl Acetate        | 400 ppm              | N.E.                  | 400 ppm              | N.E.                    |
| N-Butyl Acetate      | 50 ppm               | 150 ppm               | 150 ppm              | N.E.                    |
| Isopropyl alcohol    | 200 ppm              | 400 ppm               | 400 ppm              | N.E.                    |
| Titanium Dioxide     | 10 mg/m <sup>3</sup> | N.E.                  | 15 mg/m <sup>3</sup> | N.E.                    |

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

#### **Engineering Measures.**

Provide appropriate exhaust ventilation at places where dust is formed. Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment is not a source of ignition.

#### **Personal protective equipment.**

### Eye/Face Protection.

Goggles.

### Skin and body protection.

Wear protective gloves/ protective clothing. Wear fire/ flame resistant/ retardant clothing. Flame retardant antistatic protective clothing.

### Respiratory protection.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

## 9. Physical and chemical properties.

### Information on basic physical and chemical properties.

|  |                          |
|--|--------------------------|
| Physical state                         | Liquid                   |
| Appearance                             | Liquid                   |
| Color                                  | TO MATCH STANDARD        |
| Odor                                   | Ester Odor               |
| Odor Threshold                         | Not Established          |
| pH                                     | Not Applicable           |
| Melting/freezing point., °C (°F)       | No Information           |
| Flash Point., °C (°F)                  | -4 (24.80)               |
| Boiling point/boiling range., °C (°F)  | 34 - 3,000 (93.2 - 5432) |
| Evaporation rate                       | No Information Available |
| Explosive properties.                  | No Information           |
| Vapor pressure.                        | Undefined                |
| Vapor density.                         | Heavier than air         |
| Specific Gravity. (g/cm <sup>3</sup> ) | 0.991                    |
| Water solubility.                      | Insoluble                |
| Partition coefficient.                 | Undefined                |
| Autoignition temperature., °C          | Undefined                |
| Decomposition Temperature °C.          | Undefined                |
| Viscosity, kinematic.                  | Undefined                |

### Other information.

|   |                |
|---|----------------|
| Volatile organic compounds (VOC) content. | No Information |
| Density, lb/gal                           | 8.252          |

## 10. Stability and Reactivity

### Reactivity.

Hazardous polymerization does not occur.

### Chemical stability.

Stable under recommended storage conditions.

### Possibility of hazardous reactions.

Will not occur.

### Conditions to Avoid.

Keep away from heat, sparks and flames.

### Incompatible Materials.

Keep away from oxidizing agents, strongly acid or alkaline materials and amines.

**Hazardous Decomposition Products.**

Carbon oxides. Nitrogen chloride.

**11. Toxicological Information****Information on toxicological effects.****Acute toxicity.****Product Information**

No Information

**Component Information.**

| <u>CAS-No.</u> | <u>Chemical Name</u>  | <u>LD50 Oral</u>   | <u>LD50 Dermal</u>      | <u>LC50 Inhalation</u> |
|----------------|---|--------------------|-------------------------|------------------------|
| 141-78-6       | Ethyl Acetate   | 5620 mg/kg Rat     | >18000 mg/kg<br>Rabbit  | N.I.                   |
| 123-86-4       | N-Butyl Acetate   | 10768 mg/kg Rat    | >17600 mg/kg<br>Rabbit  | 21 mg/l (Vapor)        |
| 9004-70-0      | Nitrocellulose  | >5000 mg/kg Rat    | >5000 mg/kg             | 21 mg/l (Vapor)        |
| 77-90-7        | 1,2,3-Propanetricarboxylic acid, 2-(acetyloxy)-, tributyl ester | >31500 mg/kg Rat   | 5500                    | 21 (Vapor)             |
| 67-63-0        | Isopropyl alcohol   | 5840 mg/kg ( Rat ) | 13,900 mg/kg ( Rabbit ) | N.I.                   |

N.I. = No Information

**Skin corrosion/irritation.**

No Information

**Eye damage/irritation.**

No Information

**Respiratory or skin sensitization.**

No Information

**Ingestion.**

No Information

**Germ cell mutagenicity.**

No Information

**Carcinogenicity.**

This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid.

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>IARC</u>   | <u>NTP</u> | <u>OSHA</u> |
|----------------|----------------------|---------------|------------|-------------|
| 13463-67-7     | Titanium Dioxide     | IARC Group 2B | -          | -           |

**Reproductive toxicity.**

No Information

**Specific target organ systemic toxicity (single exposure).**

No Information

**Specific target organ systemic toxicity (repeated exposure).**

No Information

**Aspiration hazard.**

No Information

**Primary Route(s) of Entry**

No Information

## 12. Ecological Information

### Toxicity.

11.12% of the mixture consists of ingredient(s) of unknown aquatic toxicity

### Ecotoxicity effects.

| Chemical Name  | Toxicity to algae  | Toxicity to fish   | Toxicity to daphnia and other aquatic invertebrates |
|--|--|--|---|
| Ethyl Acetate<br>141-78-6  | -  | LC50 96 h Pimephales promelas 220 - 250 mg/L, LC50 96 h Oncorhynchus mykiss 484 mg/L, LC50 96 h Oncorhynchus mykiss 352 - 500 mg/L | EC50 48 h Daphnia magna 560 mg/L                    |
| N-Butyl Acetate<br>123-86-4  | EC50 72 h Desmodemus subspicatus 674.7 mg/L  | LC50 96 h Lepomis macrochirus 100 mg/L, LC50 96 h Pimephales promelas 17 - 19 mg/L   | -   |
| 1,2,3-Propanetricarboxylic acid, 2-(acetyloxy)-, tributyl ester<br>77-90-7 | -  | LC50 96 h Lepomis macrochirus 38 - 60 mg/L   | -   |
| Isopropyl alcohol<br>67-63-0   | EC50 96 h Desmodemus subspicatus >1000 mg/L, EC50 72 h Desmodemus subspicatus >1000 mg/L | LC50 96 h Pimephales promelas 9640 mg/L, LC50 96 h Pimephales promelas 11130 mg/L, LC50 96 h Lepomis macrochirus >1400000 µg/L     | EC50 48 h Daphnia magna 13299 mg/L                  |

### Persistence and degradability.

No data are available on the product itself.

### Bioaccumulative potential.

No data are available on the product itself.

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>log POW</u> |
|----------------|----------------------|----------------|
| 141-78-6       | Ethyl Acetate        | 0.6            |
| 123-86-4       | N-Butyl Acetate      | 1.81           |
| 67-63-0        | Isopropyl alcohol    | 0.05           |

### Mobility in soil.

No information

### Other adverse effects.

No information

## 13. Disposal Considerations

### Waste Disposal Guidance.

Do not burn, or use a cutting torch on, the empty drum. DISPOSE OF WASTE MATERIAL AT AN APPROVED (HAZARDOUS) WASTE TREATMENT/DISPOSAL FACILITY IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. DO NOT DISPOSE OF WASTE WITH NORMAL GARBAGE, OR TO SEWER SYSTEMS.

## 14. Transport Information

### DOT

Shipping Name: Paint  
Hazard Class: 3 (Flammable Liquid)  
UN/NA Number: 1263  
Packing Group: II

### IMDG

Proper Shipping Name: Paint  
Hazard Class: 3 (Flammable Liquid)  
UN Number: 1263  
Packing Group: II

### IATA

3 (Flammable Liquid)

## 15. Regulatory Information

### International Inventories:

|               |   |
|---------------|---|
| TSCA          | - |
| DSL           | - |
| DSL/NDSL      | - |
| EINECS/ELINCS | - |
| ENCS          | - |
| IECSC         | - |
| KECI          | - |
| PICCS         | - |
| AICS          | - |
| NZIoC         | - |

### TCSI

|               |   |
|---------------|---|
| TSCA          | United States Toxic Substances Control Act Section 8(b) Inventory.                                |
| DSL           | Canadian Domestic Substances List.  |
| DSL/NDSL      | Canadian Domestic Substances List/Canadian Non-Domestic Substances List                           |
| EINECS/ELINCS | European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances. |
| ENCS          | Japan Existing and New Chemical Substances.   |
| IECSC         | China Inventory of Existing Chemical Substances.  |
| KECL          | Korean Existing and Evaluated Chemical Substances.  |
| PICCS         | Philippines Inventory of Chemicals and Chemical Substances.                                       |
| AICS          | Australian Inventory of Chemical Substances.  |
| NZIoC         | New Zealand Inventory of Chemicals.   |
| TCSI          | Taiwan Chemical Substance Inventory   |

### U.S. Federal Regulations:

#### SARA SECTION 313:

This product does not contain any chemicals that are subject to the reporting requirements of SARA 313.

#### TOXIC SUBSTANCES CONTROL ACT 12(b):

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:.

| <u>Chemical Name</u>                                | <u>CAS-No.</u> |
|---|----------------|
| Hydroxybutyric Acid/Hydroxypentanoic Acid Copolymer | 1039549-27-3   |

#### CALIFORNIA PROPOSITION 65 CARCINOGENS



### WARNING

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:.. This product contains titanium dioxide in a non-respirable form.

| <u>Chemical Name</u> | <u>CAS-No.</u> |
|----------------------|----------------|
| Titanium Dioxide     | 13463-67-7     |

#### CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

No Proposition 65 Reproductive Toxins exist in this product.

## 16. Other Information

**Revision Date:** 1/29/2021 **Supersedes Date:** New SDS

**Reason for revision:** No Information

**Datasheet produced by:** Regulatory Department

### HMIS Ratings:

|                |   |                      |   |                         |   |                             |   |
|----------------|---|----------------------|---|-------------------------|---|-----------------------------|---|
| <b>Health:</b> | 2 | <b>Flammability:</b> | 3 | <b>Physical Hazard:</b> | 1 | <b>Personal Protection:</b> | G |
|----------------|---|----------------------|---|-------------------------|---|-----------------------------|---|

### NFPA Ratings:

|                |      |                      |      |                     |      |                                 |      |
|----------------|------|----------------------|------|---------------------|------|---------------------------------|------|
| <b>Health:</b> | N.I. | <b>Flammability:</b> | N.I. | <b>Instability:</b> | N.I. | <b>Physical &amp; Chemical:</b> | N.I. |
|----------------|------|----------------------|------|---------------------|------|---------------------------------|------|

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.