



# Safety Data Sheet

Issue Date: 11/11/15

Revision Date: N/a

Version: 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product Identifier

**Product Name:** Bridle 30-0-0

**Other means of identification:** Not available

### Recommended use of the chemical and restrictions on use

**Recommended use:** Liquid Fertilizer

**Uses advised against:** None known

### Details of the supplier of the safety data sheet

#### **Company**

Monarch Scientific

P.O. Box 642

Alpharetta, GA 30004

### Emergency telephone number

**Company Telephone:** (770) 595-1553

**Emergency Telephone:** Chemtrec 1-800-262-8200

## 2. Hazardous Identification

**Physical Hazards:** Not classified

**Health Hazards:** Serious eye damage/eye irritation  
Category 2A

**OSHA Defined Hazards:** Not classified



**Signal Word:** Warning

**Hazard statements:** Causes serious eye irritation.

### Precautionary Statements

**Prevention:** Wash thoroughly after handling. Wear eye/face protections.

**Response:** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Storage:** Store away from incompatible materials.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazards not otherwise classified (HNOC):** Not classified

**Other Information:**

### 3. Composition/Information on Ingredients

**Mixtures**

**Composition Components:** Components not listed are either non-hazardous or are below reportable limits.

### 4. First Aid Measures

**First aid measures:**

**Eye Contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention if symptoms persist. In case of irritation from airborne exposure, move to fresh air.

**Skin Contact:** Wash with soap and water. Get medical attention if symptoms occur.

**Inhalation:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Ingestion:** Seek medical advice.

**Most Important systems and effects, both acute and delayed:** Direct contact with eyes may cause temporary irritation.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

### 5. Fire-Fighting Measures

**Suitable extinguishing media:** Water, Water fog, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** None known.

**Specific hazards arising from the chemical:** None known.

**Special protective equipment and precautions for firefighters:** None known.

**Fire-fighting equipment/instructions:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Specific Methods:** Use water spray to keep fire-exposed containers cool.

## 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:** Wear protective clothing as described in Section 8 of this safety data sheet.

**Environmental Precautions:** Avoid discharge into drains, water courses or onto the ground.

**Methods and material for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.

## 7. Handling and Storage

**Precautions for safe handling:** Observe good industrial hygiene practices. Use only with adequate ventilation. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities:** Keep container closed. Store in a cool place but keep from freezing. Store away from incompatible materials (See Section 10).

## 8. Exposure Controls/Personal Protection

**Occupational exposure limits:** No exposure limits noted for ingredient(s).

**Biological limit values:** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls:** Ensure adequate ventilation, especially in confined areas.

### **Individual protection measures, such as personal protective equipment**

**Eye/Face protection:** Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.

#### **Skin and body protection:**

**Hand protection:** Chemical Resistant gloves are recommended.

**Other:** Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

**Respiratory Protection:** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

**Thermal Hazards:** Not applicable.

**General Hygiene Considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

**Physical State:** Liquid.

**Appearance:** Clear to opaque liquid.

**Color:** Clear to opaque.

**Odor:** Ammonia.

**Odor Threshold:** Not available.

<u>Property</u>	<u>Values</u>
pH	7-11
Melting point / Freezing Point	32° F (0° C)
Initial Boiling Point / Boiling Range	> 212° F (> 100° C)
Flash Point	> 212° F (> 100° C)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper flammability Limit	Not available
Lower flammability Limit	Not available
Explosive limit – Lower (%)	Not available
Explosive limit – Upper (%)	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Solubility(ies)	Not available
Partition Coefficient	No data available
Autoignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available

### Other Information:

Percent Volatile 20-60%

## 10. Stability and Reactivity

**Reactivity:** This product is stable and non-reactive under normal conditions of storage and transport.

**Chemical Stability:** Stable under the prescribed storage conditions.

**Possibility of Hazardous Reactions:** Exposure to elevated temperatures or strong acids will cause rapid, but non-explosive, polymerization with evolution of formaldehyde and water.

**Conditions to Avoid:** Elevated temperatures.

**Incompatible Materials:** Strong oxidizing agents. Acids.

**Hazardous Decomposition Products:** Formaldehyde

## 11. Toxicological Information

### **Information on likely routes of exposure**

**Inhalation:** Not relevant at normal room temperatures. When heated, harmful vapors may be formed.

**Eye Contact:** Causes serious eye irritation.

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

**Ingestion:** No harmful effects expected in amounts likely to be ingested by accident.

**Symptoms related to the physical, chemical and toxicological characteristics:** Direct contact with eyes may cause temporary irritation.

### **Information on Toxicological Effects**

**Acute toxicity:** No adverse effects are expected.

**Skin corrosion/irritation:** Not assigned.

**Serious eye damage/eye irritation:** Causes serious eye irritation.

**Respiratory sensitization:** Not assigned.

**Skin sensitization:** Not assigned.

**Germ cell mutagenicity:** Not assigned.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

**Reproductive toxicity:** Not assigned.

**Specific target organ toxicity – Single exposure:** Not assigned.

**Specific target organ toxicity – Repeated exposure:** Not assigned.

**Aspiration hazard:** Not applicable.

**Further information:** The product contains a small impurity of formaldehyde: Formaldehyde is a known skin and respiratory sensitizer.

## 12. Ecological Information

**Ecotoxicity:** Not expected to be harmful to aquatic organisms.

**Persistence and degradability:** No data available.

**Bioaccumulative Potential:** Not available.

**Mobility in soil:** Not available.

**Other adverse effects:** Not available.

## 13. Disposal Considerations

### **Waste treatment methods:**

**Disposal of wastes:** Do not discharge into drains, water courses or onto the ground.

**Local disposal regulations:** Dispose in accordance with all applicable regulations.

**Hazardous waste code:** The Waste Code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from Residues/Unused products:** Recover and recycle, if practical.

**Contaminated packaging:** Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14. Transport Information

### **DOT**

Not regulated as a hazardous material by DOT.

### **IATA**

Not regulated as a dangerous good.

### **IMDG**

Not regulated as a dangerous good.

### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:**

This substance/mixture is not intended to be transported in bulk.

## 15. Regulatory Information

**US Federal Regulations:** This product is not hazardous according to OSHA 29CFR 1910. 1200.

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

Not regulated.

### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

### **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

**SARA 302 Extremely Hazardous Substance:** No

**SARA 311/312 Hazardous Chemical:** Yes

**Other Federal Regulations:**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not Regulated

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not Regulated

**Safe Drinking Water Act (SDWA):** Not regulated.

**Food and Drug Administration (FDA):** Not regulated.

**US 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. Massachusetts RTK - Substance List:** Not regulated.

**US. New Jersey Worker and Community Right-to-Know Act:** Not regulated.

**US. Pennsylvania RTK - Hazardous Substances:** Not regulated.

**US. Rhode Island RTK:** Not regulated.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance:**  
Not listed.

**International Inventories**

Country or Region	Inventory Name	On Inventory (Yes/No)
Australia	AICS	Yes
Canada	DSL	Yes
Canada	NDSL	No
China	IECSC	Yes
Europe	EINECS	No
Europe	ELINCS	No
Japan	ENCS	Yes
Korea	ECL	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	PICCS	Yes
United States and Puerto Rico	TSCA	Yes

- A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
- A "No" indicates that one or more components of this product are not listed or exempt from listing on the inventory administered by the governing country(s).

**Legend:**

**TSCA:** United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL:** Canadian Domestic Substances List/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 and Existing Chemical Substances

**KECL:** Korean Existing and Evaluated Chemical Substances

**PICCS:** Philippines Inventory of Chemicals and Chemical Substances

**AICS:** Australian Inventory of Chemical Substances

## 16. Other Information

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**Further Information:** The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

**NFPA Ratings:**



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