

SAFETY DATA SHEET

B2042 Byotrol 24 Unscented

Page: 1 of 6

Printed: 09/21/2020

Revision: 09/21/2020

Supersedes Revision: 09/01/2020

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: B2042
Product Name: B2042 Byotrol 24 Unscented
Company Name: Byotrol, Inc.
PO Box 18514
Atlanta, GA 30326
Email address: info@byotrol.com
Emergency Contact: US Poison Control Center (24 hours) +1 (800)222-1222

Intended Use: Ready to use antibacterial spray, ready to use disinfectant spray, ready to use multipurpose cleaner

Synonyms: Byotrol, Byotrol 24.

2. HAZARDS IDENTIFICATION

GHS Signal Word: None
GHS Hazard Phrases: No phrases apply.
GHS Precautionary Phrases: No phrases apply.
GHS Response Phrases: No phrases apply.
GHS Storage and Disposal Phrases: No phrases apply.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
32289-58-0	Poly(hexamethylenebiguanide) hydrochloride	< 1.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures: First aid personnel should wear appropriate protective equipment during any rescue.

In Case of Inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of use.

In Case of Skin Contact: Wash with plenty of soap and water. Skin irritation is not expected when used as recommended.

In Case of Eye Contact: Immediately flush eyes with plenty of cool, running water. Remove contact lenses, if present and easy to do, after the initial 1-2 minutes and continue flushing for several additional minutes. Get medical attention if irritation persists.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth and slowly drink several glasses of water. Get medical aid if irritation develops and persists.

Signs and Symptoms Of Exposure: This product is considered to be a low hazard under normal conditions of use. For possible symptoms of exposure, see section 11.

Note to Physician: Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt:	NA Method Used: Not Applicable
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	NA
Suitable Extinguishing Media:	Dry chemical, CO2, alcohol-resistant foam or water spray.
Fire Fighting Instructions:	Use extinguishing media appropriate for surrounding fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.
Flammable Properties and Hazards:	Remove containers from fire area if you can do so without risk. Cool containers with water spray until well after the fire is out.
Hazardous Combustion Products:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions:	Avoid discharge into drains, water courses or onto the ground. Do not allow uncontrolled discharge of product into the environment.
Steps To Be Taken In Case Material Is Released Or Spilled:	Ensure adequate ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent further leakage or spillage if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Following product recovery, flush area with water.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Keep away from heat, sparks and flame. Keep away from sources of ignition - No smoking. Use non-sparking tools. Do not eat, drink, or smoke when using. Avoid contact with eyes.
Precautions To Be Taken in Storing:	Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from heat, sparks and flame. Keep away from sources of ignition - No smoking. Keep from freezing. Protect from sunlight. Protect containers against damage. Keep container tightly closed when not in use. Store at temperatures not exceeding 35°C/95°F.
Other Precautions:	Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
32289-58-0	Poly(hexamethylenebiguanide) hydrochloride	No data.	No data.	No data.

SAFETY DATA SHEET

B2042 Byotrol 24 Unscented

Page: 3 of 6

Printed: 09/21/2020

Revision: 09/21/2020

Supersedes Revision: 09/01/2020

Respiratory Equipment (Specify Type):	Not required under normal conditions of use with adequate ventilation.
Eye Protection:	If splash is likely, goggles may be needed.
Protective Gloves:	Not required under normal use conditions.
Other Protective Clothing:	Not required under normal use conditions.
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility, and a safety shower is recommended.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Environmental Exposure Controls:	Avoid discharge into drains, water courses or onto the ground. Do not allow uncontrolled discharge of product into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Appearance: Clear. Liquid. Colorless to pale yellow. Odor: characteristic odor.
pH:	10 - 10.5
Melting Point:	NA
Boiling Point:	NA
Flash Pt:	NA Method Used: Not Applicable
Evaporation Rate:	NA
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	NA
Specific Gravity (Water = 1):	0.99 - 1.01 at 20.0 C (68.0 F)
Density:	NA
Solubility in Water:	NASoluble
Saturated Vapor Concentration:	NA
Octanol/Water Partition Coefficient:	No data.
Autoignition Pt:	NA
Decomposition Temperature:	No data.
Viscosity:	NA

10. STABILITY AND REACTIVITY

Reactivity:	Not reactive at normal temperatures and pressures.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Heat, flames and sparks. Extremes of temperature and direct sunlight. Stable under recommended handling and storage conditions.
Incompatibility - Materials To Avoid:	Anionics. Oxidizing agents, hypochlorites.
Hazardous Decomposition or Byproducts:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: nitrogen.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid -	No data available.

Hazardous Reactions:

11. TOXICOLOGICAL INFORMATION

Toxicological Information:	Based on toxicological studies of this product, this product is considered non-toxic to humans. Acute toxicity - oral: 30,932.94 mg/kg Acute toxicity - inhalation: 408.24 mg/l (vapors) Respiratory sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Germ Cell Mutagenicity: Not classified Reproductive Toxicity: Not classified Specific target organ toxicity - single exposure: Not classified Specific target organ toxicity - repeated exposure: Not classified Aspiration hazard: Not classified.
Irritation or Corrosion:	Skin corrosion/irritation: Not classified Serious eye damage/irritation: Not classified.
Symptoms related to Toxicological Characteristics:	Skin Contact: Prolonged and/or repeated contact may cause irritation and/or dermatitis. Inhalation: May cause coughing and difficulty breathing. Ingestion: May cause stomach cramps and vomiting. Eye Contact: Prolonged contact may cause irritation, burning, tearing or blurred vision.
Sensitization:	Not expected.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information:	When used as instructed, the product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. Ecological information on ingredient - Polyhexamethylenebiguanide hydrochloride: Acute aquatic toxicity: LE(C)50: 0.01 < L(E)C50 <= 0.1 M factor (Acute): 10 Acute toxicity - fish: LC50, Oncorhynchus mykiss (Rainbow trout), 0.026 mg/l, 96H Acute toxicity - fish: LC50, Lepomis macrochirus (Bluegill), 0.11 mg/l, 96H Acute toxicity - aquatic invertebrates: EC50, Daphnia magna (Water flea), 0.04 mg/l, 48H Acute toxicity - aquatic invertebrates: LC50, Brown shrimp, 9 mg/l, 96H Chronic aquatic toxicity: NOEC: 0.001 < NOEC <= 0.01 Degradability: Non-rapidly degradable M factor (Chronic): 10 Chronic toxicity - aquatic invertebrates: NOEC, Daphnia magna (Water flea), 0.0036 mg/l, 21D.
Results of PBT and vPvB assessment:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of contents and containers in accordance with local, regional, national, and international regulations. Avoid discharge into drains, water courses or onto the ground. The generation of waste should be avoided or minimized whenever possible.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: NOT REGULATED FOR DOMESTIC TRANSPORT.

DOT Hazard Class:

UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
32289-58-0	Poly(hexamethylenebiguanide) hydrochloride	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
32289-58-0	Poly(hexamethylenebiguanide) hydrochloride	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; FIFRA: Yes - Active - 111801: Am; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
32289-58-0	Poly(hexamethylenebiguanide) hydrochloride	Canadian DSL: Yes: Part 1; Canadian NDSL: No

Regulatory Information: PROPOSITION 65 (Chemicals known to the state of California to cause cancer or reproductive toxicity): This product may contain traces of: Nitrotriacetic Acid, trisodium salt (CAS # 5064-31-3), Myrcene (CAS# 123-35-3)

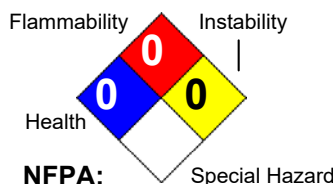
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Caution. Harmful if swallowed, absorbed through the skin or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing or breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

16. OTHER INFORMATION

Revision Date: 09/21/2020
Preparer Name: Crystal Maira

Hazard Rating System:



Additional Information: 09/21/2020 Updated section(s) 1 09/01/2020 Routine review and updates to section 2, 3, 11, 14, 15

Company Policy or Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such

SAFETY DATA SHEET
B2042 Byotrol 24 Unscented

Page: 6 of 6

Printed: 09/21/2020

Revision: 09/21/2020

Supersedes Revision: 09/01/2020

information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.