

# Gil Bio Bleach

February 1, 2021

**Section 1: IDENTIFICATION**Product name **Gil Bio Bleach** Other names n/aRecommended use/restrictions **heavy-duty cleaning**  
Use only as recommended on label or tech sheet.

Distributor/manufacturer

**Gilmer Industries, Inc.**560 Stone Spring Road PO Box 1247  
Harrisonburg, VA 22801 Harrisonburg, VA 22803  
540.434.0130 (info) 540.434.8877 (sales)  
Open Monday-Friday, 8am–5pm Eastern time zoneEMERGENCY TELEPHONE NUMBER (24-hours daily) **CHEMTREC 1.800.424.9300****Section 2: HAZARDS IDENTIFICATION**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard classification **ACUTE TOXICITY - ORAL, Category 4**  
**ACUTE TOXICITY - INHALATION, Category 4**  
**SKIN CORROSION/IRRITATION, Category 2**  
**EYE DAMAGE/IRRITATION, Category 2B****EMERGENCY OVERVIEW**

White, free-flowing, granular powder with mild chlorine odor

**WARNING**Harmful if swallowed or inhaled  
Causes skin and eye irritation  
Mixing with acid or ammonia releases  
toxic chlorine gas  
This material is harmful to aquatic life.**PRECAUTIONARY STATEMENTS**

Prevention	<b>Wash hands thoroughly after handling.</b> <b>Do not eat, drink or smoke when using this product.</b> <b>Avoid breathing dust.</b> <b>Use only outdoors or in a well-ventilated area.</b> <b>Wear protective gloves and clothing.</b>
Response	<b><u>If in eyes:</u> Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.</b> <b><u>If eye irritation persists:</u> Get medical advice.</b> <b><u>If on skin:</u> Wash with plenty of water.</b> <b><u>If skin irritation occurs:</u> Get medical advice.</b> <b>Take off contaminated clothing and wash before reuse.</b> <b><u>If inhaled:</u> Remove person to fresh air and keep comfortable for breathing.</b> <b>Call a poison center or doctor if you feel unwell.</b> <b><u>If swallowed:</u> Call a poison center or doctor if you feel unwell.</b>
Storage	<b>Store in a cool, dry area out of direct sunlight. Keep container closed when not in use.</b>
Disposal	<b>Dispose of in accordance with federal, state and local regulations.</b>

Hazards not otherwise classified **Handling or processing this material may generate a dust that can be irritating to the eyes, skin, nose, and throat.**

Ingredient of unknown acute toxicity n/a

## SAFETY DATA SHEET

PAGE 2 of 4

**Gil Bio Bleach**

February 1, 2021

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient	% by wt.	CAS number	Synonyms
<b>sodium dichloroisocyanurate</b>	<b>5.5-9.5</b>	<b>2893-78-9</b>	<b>dichloroisocyanurate acid; troclosene sodium</b>

## Section 4: FIRST AID MEASURES

Inhalation	<b>Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.</b>
Eye contact	<b>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.</b>
Skin contact	<b>Wash with plenty of water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.</b>
Ingestion	<b>Drink plenty of water or milk. Call a poison center or doctor if you feel unwell.</b>

## SYMPTOMS/ EFFECTS

Inhalation	<b>coughing, shortness of breath, headache / May cause respiratory irritation</b>
Eye contact	<b>discomfort, watering, redness / May cause eye irritation</b>
Skin contact	<b>discomfort, redness / May cause skin irritation</b>
Ingestion	<b>headache, nausea / May cause irritation to mouth, throat and stomach</b>

## Section 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	<b>no restrictions</b>
Specific hazards arising from the chemical	<b>n/a</b>
Hazardous thermal decomposition products	<b>chlorine gas, CO<sub>2</sub>, ammonia, cyanogen chloride, nitrogen trichlorite</b>
Special protective equipment for fire-fighters	<b>self-contained breathing apparatus with full face shield and full protective clothing.</b>

## Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	<b>Keep people out of area. Put on appropriate protective equipment (see Section 8). Do not touch or walk through spilled material.</b>
Environmental precautions	<b>n/a</b>
Methods for clean-up	<b>Collect material by sweep or to scoop for salvage. Cautiously spray residue with plenty of water. Residue and rinsates may be flushed to sewer if permitted by applicable federal, state or local regulations.</b>

## Section 7: HANDLING AND STORAGE

Handling	<b>Do not get in eyes or on skin or clothing. Do not breathe dust. Use only with adequate ventilation. Wash thoroughly after handling.  Never mix with acid or ammonia—doing so will release toxic chlorine gas.</b>
Storage	<b>Store in a cool, dry area out of direct sunlight. Keep container closed when not in use.</b>

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES	<b>sodium dichloroisocyanurate ACGIH TLV: not established</b>
---------------------	---

# Gil Bio Bleach

February 1, 2021

OSHA PEL: **not established**  
 NIOSH REL: **not established**

ENGINEERING CONTROLS **If operations generate dust, fumes, gas, vapor or mist, use process enclosures or local exhaust ventilation.  
 Provide suitable facilities for quick flushing of the eyes.**

**PERSONAL PROTECTION**

Eye **Wear chemical splash goggles. For continued or severe exposures, wear a face shield over goggles.**

Hand **Wear chemical-resistant, impervious gloves.**

Skin **Wear a synthetic apron and other protective equipment to prevent skin contact.**

Respiratory **None needed under normal and intended conditions of use.**

Hygiene measures **Wash hands, forearms and face thoroughly after handling or before eating, smoking or using the lavatory.  
 Wash contaminated clothing before reuse.**

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Physical state **free-flowing, granular powder** Color **white**

Odor **mild chlorine** Odor threshold **n/a** pH **n/a**

Melting point/freezing point **n/a** Boiling point/range **n/a** Flash point **n/a**

Evaporation rate **n/a** Flammability **n/a** Upper/lower flammability or explosive limits **n/a**

Vapor pressure **n/a** Vapor density **n/a** Relative density **n/a (water=1)**

Solubility **25% at 20°C (water)** Partition coefficient: n-octanol/water **n/a**

Auto-ignition temperature **n/a** Decomposition temperature **n/a** Viscosity **n/a**

**Section 10: STABILITY AND REACTIVITY**

Reactivity **generates heat when diluted with water**

Chemical stability **stable**

Possibility of hazardous reactions **n/a**

Conditions to avoid **Open storage may reduce chlorine levels in product.**

Incompatible materials **acids, nitrogen compounds, reducing agents, strong oxidizers, ammonia**

Hazardous decomposition products **chlorine, cyanogen chlorine, nitrogen trichlorite, ammonia, CO<sub>2</sub>, cyanuric acid, hypochlorous acid**

**Section 11: TOXICOLOGICAL INFORMATION**

Likely routes of exposure: **skin and eye contact, inhalation, ingestion**

**SYMPTOMS**

eye contact: **discomfort, watering, redness;** skin contact: **discomfort, redness;**  
 inhalation: **coughing, shortness of breath, headache;** ingestion: **headache, nausea**

**ACUTE TOXICITY**

Eye contact **May cause eye irritation**

Skin contact **May cause skin irritation**

Inhalation **May cause respiratory irritation**

Ingestion **May cause irritation to mouth, throat and stomach.**

# Gil Bio Bleach

February 1, 2021

CHRONIC TOXICITY n/a

## TOXICITY DATA

**sodium dichloroisocyanurate** acute oral toxicity LD<sub>50</sub> 1,420mg/kg rat  
 skin corrosion/irritation: skin, rabbit - mild skin irritation 24h  
 eye damage/irritation: eye, rabbit - mild eye irritation 24h

National Toxicology Program Report on Carcinogens (NTP) **not listed**International Agency for Research on Cancer Monographs (IARC) **not listed**OSHA (carcinogens) **not listed**

## Section 12: ECOLOGICAL INFORMATION

Ecotoxicity **Harmful to aquatic life.**

## Section 13: DISPOSAL CONSIDERATIONS

Disposal **Dispose of in accordance with federal, state and local regulations.**RCRA class **not listed**

## Section 14: TRANSPORT INFORMATION

US DOT shipping description **not regulated**

## Section 15: REGULATORY INFORMATION

TSCA: **All components are listed or exempt.** SARA III 313, Form R: **no listed substance**

## Section 16: OTHER INFORMATION

**HMIS** (health **2**, flammability **0**, reactivity **0**); **NFPA** (health **2**, flammability **0**, reactivity **0**)

Abbreviations:	ACGIH	American Conference of Governmental Industrial Hygienists, Inc.		
	n/a	no applicable information available		
	NIOSH	National Institute for Occupational Safety and Health	STEL	Short Term Exposure Limit
	OSHA	Occupational Safety and Health Administration	TLV	Threshold Limit Value
	PEL	Permissible Exposure Limit	TSCA	Toxic Substance Control Act
	REL	Recommended Exposure Limit	TWA	Time Weighted Average
	SARA	Superfund Amendments and Reauthorization Act	URT	Upper Respiratory Tract

Date of Issue **June 19, 2014** Re-Issue **February 1, 2021**