



your partner in food safety

SDS

Safety Data Sheet

1) Product Identification

Product Name: Birko Bleach

Product Code: I00189

Recommended Use: Is an alkaline powdered formulation designed for use as an intermediate colorant for powdered detergent formulation.

Producer: Birko Corporation
9152 Yosemite Street
Henderson, CO 80640-8027

Contact Information: (303) 289-1090 or 1-800-525-0476

Emergency Number: CHEMTREC 1-800-424-9300

2) Hazard(s) Identification

Health	Environmental	Physical
Acute Toxicity Cat. 4 Skin Corrosion Cat. 1A Eye Effects Cat. 1		

Labeling:**Symbol:****Signal Word: Warning
Irritant**

Hazard Statement(s): This product may cause irreversible eye damage, and is harmful if swallowed. Do not get into eyes or on clothing. In case of contact immediately flush with water for at least 15 minutes.

Precautionary Statement(s): Use rubber gloves, protective goggles, and protective clothing. Remove contaminated clothing and wash before re-use. Do not contaminate food, feed, or water. Keep container closed when not in use.

3) Composition/ Information on Ingredients

Name(s)	Synonym(s)	CAS Number	Weight %
Sodium Carbonate Peroxyhydrate		15630-89-4	< 30%
Silicic Acid, disodium salt	Sodium metasilicate	6834-92-0	< 10%

4) First-Aid Measures

Inhalation	Skin Contact	Eye Contact	Ingestion
Remove from exposure. Administer oxygen if breathing is difficult. Resuscitate if necessary. Get medical help immediately	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.	Immediately rinse eyes thoroughly in cool running water for at least 15 minutes. If irritation or redness continues seek immediate medical attention.	DO NOT give anything by mouth to an unconscious person. DO NOT induce vomiting. If the material is swallowed, give water. Seek immediate medical attention.

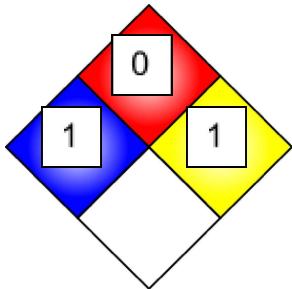
5) Firefighting Measures

Suitable Extinguishing Media: Water, Dry Chemical, Carbon Dioxide, and Foam Blanket

Unsuitable Extinguishing Media: N/A

Specific Hazards: N/A

Special Protective Actions for Fire-Fighters: Carbon Monoxide/Carbon Dioxide gases liberated during combustion. Oxygen released on contact with moisture.



6) Accidental Release Measures

Personal Precautions: Be sure to use all necessary Personal Protective Equipment

Environmental Precautions: Avoid contamination of food, feed, waterway, sewers, or groundwater.

Methods and Materials for Containment and Clean-Up: In Solution: Remove all non-necessary personal from spill area, preferred upwind of spill site. Wear NIOSH approved respiratory protection, and sweep or vacuum up material and deposit material in a recovery drum for disposal or reuse.

7) Handling and Storage

Precautions for Safe Handling: Do not contaminate food, feed, or natural water. Supplier is not responsible for disposition of this product. Maintain an eyewash station, and safety shower in product handling areas.

Conditions for Safe Storage: Keep container closed when not in use. Store in a cool, dry location.

8) Exposure Controls and Personal Protection

Appropriate Engineering Controls: Ventilation: Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

Exposure Limits:

Name (CAS-No.)	SAEL	TLV	PEL
Silicic Acid, disodium salt (6834-92-0)	NONE	NONE	NONE
Sodium Carbonate Peroxyhydrate (15630-89-4)	5 mg/m ³	NONE	NONE

Personal Protective Equipment

Eye/Face	Gloves	Respiratory
		

Eye/Face: Wear chemical/dust safety goggles.

Skin: Wear appropriate clothing.

Gloves: Wear appropriate chemical resistant gloves.

Respiratory: Use only a NOISH N95 approved dust mask when in contact with powdered products. If eye irritation occurs use a full face style mask. If respirators are warranted in the workplace a respiratory protection programs must meet 29 CFR 1910.134, and be followed.

Protective Material Types: PVC, neoprene, and rubber

9) Physical and Chemical Properties

Physical Form: Powder

Appearance: White with Blue Specks

Odor: Detergent

pH: (1% Solution) 11.0

Flammability: Not flammable

Solubility: 100%

10) Stability and Reactivity

Chemical Stability: Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions: This product does not polymerize.

Conditions to Avoid: High heat or moisture.

Materials to Avoid: Strong Alkali

Hazardous Decomposition Products: Carbon Monoxide/Carbon Dioxide gases liberated during combustion.

11) Toxicological Information

Acute Toxicity:

Test	Results	Basis
Oral LD50 (Rat)	1034 mg/kg	Product Tests

Summary Comments: Contact with skin or eyes for an extended period of time will cause irritation. If irritation persists seek medical attention.

Sub-chronic/Chronic Toxicity:

Chemical Name	CAS #	Mutagen	Teratogen	Carcinogen
NA	NA	NA	NA	NA

Summary Comments: N/A

Medical conditions aggravated by exposure: N/A

12) Ecological Information

Toxicity:

Test	Results
LC50 Gambusia affnis	2320 ppm 96 hours

Persistence and Degradability: This product will result in significant hydrolysis when it enters water.

Bioaccumulative Potential: This material is believed not to bioaccumulate.

Mobility in Soil: Biodegradable

Other Adverse Effects: N/A

13) Disposal Considerations

Disposal Method: Dispose in accordance with all applicable regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262.

14) Transport Information

UN Number: Not D.O.T. Regulated

15) Regulatory Information

US Regulations:

CERCLA Sections 102a/103 Hazardous substances (40 CFR 302.4):

Sodium carbonate peroxyhydrate: 100lbs. D001 (Ignitability)

SARA Title III SARA Sections 311/312 Hazardous Categories (40 CFR 370.21):

Acute: Yes

Chronic: No

Fire: No

Reactive: No

Sudden Release: No

State Regulations:

California Proposition 65: This product is not listed

New Jersey Worker and Community Right to Know: Hazardous Substance List:

Sodium carbonate peroxyhydrate 15630-89-4

Canadian Regulations:

Controlled Products Regulations (CPR): This product has been classified in accordance with the criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the CPR.

WHMIS Classification: D2

National Inventory Status: U.S. Inventory (TSCA): All the components of this substance are listed on or are exempt from the inventory.

Canada Inventory (DSL/NDSL): All components of this product are listed on the DSL

16) Other Information

HMIS	
0	FLAMMABILITY
1	HEALTH
1	REACTIVITY
E	Personal Protection

4-Severe

3-Serious

2-Moderate

1-Slight

0-Minimal

Hazard Index

Personal Protective Index											
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X	Ask your supervisor										

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Approved By: Terry L. McAninch

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