



your partner in food safety

Issue Date: 22-Sept-2021

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Version 1

Safety Data Sheet

1. IDENTIFICATION

Product identifier

Product Name Floor Chlor

Other means of identification

SDS # BIR-088

Product Code I04088

Recommended use of the chemical and restrictions on use

Recommended Use Chlorinated cleaner and anti-slip treatment for floors.

Details of the supplier of the safety data sheet

Supplier Address

Birko Corporation
9152 Yosemite Street
Henderson, CO 80640-8027
www.birkocorp.com

Emergency telephone number

Company Phone Number Phone: 303-289-1090 or 1-800-525-0476

Fax: 303-289-1190

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Appearance White powder

Physical state Solid

Odor Slight chlorine

Classification

Serious eye irritation	Category 2A
Oxidizing solid	Category 3
Short-term (acute) aquatic hazard	Category 3
Long-term (chronic) aquatic hazard	Category 2

Signal Word

Warning

Hazard statements

Causes serious eye irritation
May intensify fire, oxidizer
Toxic to aquatic life
Toxic to aquatic life with long lasting effects

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 Do not eat, drink or smoke when using this product
 Wear protective gloves, protective clothing, eye and face protection
 Keep away from combustible materials
 Avoid release to the environment

Precautionary Statements - Response

IF INHALED: Remove person to fresh air and keep comfortable for breathing
 Call a POISON CENTER or doctor if you feel unwell

Other hazards

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Sodium bicarbonate	144-55-8	90-100
Sodium dichloroisocyanurate	2893-78-9	<5

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms	May be harmful if swallowed. May be harmful in contact with skin. Harmful if inhaled.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water. Carbon dioxide (CO₂). Dry chemical. Foam blanket.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous combustion products Carbon oxides liberated during combustion. Nitrogen oxide liberated during combustion.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental precautions

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

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up In Solution: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for disposal. Powder: Remove all non-necessary personal from spill area, preferred upwind of spill site. Wear NIOSH approved respiratory protection and sweep material in a recovery drum for disposal or reuse.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container closed when not in use. Store in a cool, dry, well-ventilated place.

Incompatible Materials Strong alkalis. Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering Controls	Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses.
Skin and Body Protection	Chemical resistant protective gloves. Suitable protective clothing.
Respiratory Protection	Use only a NIOSH 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.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid	Odor	Slight Chlorine
Appearance	White powder	Odor Threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8.5 (1% solution)	
Melting point / freezing point	Not determined	
Boiling point / boiling range	Not determined	
Flash point	Not determined	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not flammable	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	Not determined	
Water Solubility	100%	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization

This product does not polymerize.

Conditions to Avoid

Keep out of reach of children.

Incompatible materials

Strong alkalis. Acids.

Hazardous decomposition products

Carbon oxides liberated during combustion. Nitrogen oxide liberated during combustion.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information****Eye Contact**

Avoid contact with eyes.

Skin Contact

May be harmful in contact with skin.

Inhalation

Harmful if inhaled.

Ingestion

May be harmful if swallowed.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Bicarbonate 144-55-8	= 4220 mg/kg (Rat)	-	-
Sodium Dichloroisocyanurate 2893-78-9	= 1823 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	0.27-1.17 mg/L (4hr -Rat)

Symptoms related to the physical, chemical and toxicological characteristics**Symptoms**

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Carcinogenicity**

Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Sodium Bicarbonate 144-55-8	650: 120 h Nitzschia linearis mg/L EC50	8250 - 9000: 96 h Lepomis macrochirus mg/L LC50 static	2350: 48 h Daphnia magna mg/L EC50
Sodium Dichloroisocyanurate 2893-78-9	Not determined	1.21:96 h Inland silversides mg/L LC50	1.65: 96 h Mysid Shrimp mg/L LC50

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

Not determined.

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical name	California Hazardous Waste Status
Sodium Dichloroisocyanurate 2893-78-9	Toxic Ignitable

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN2465
 Proper Shipping Name Dichloroisocyanuric Acid, Dry
 Hazard class 5.1
 Packing Group II

IATA

UN number UN2465
 Proper Shipping Name Dichloroisocyanuric Acid, Dry
 Transport hazard class(es) 5.1
 Packing Group II

IMDG

UN number UN2465
 Proper Shipping Name Dichloroisocyanuric Acid, Dry
 Transport hazard class(es) 5.1
 Packing Group II

15. REGULATORY INFORMATION

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium Bicarbonate	X	X	X	X	X	X	X	X
Sodium Dichloroisocyanurate	X	X	X	X	X	X	X	X

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 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

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium Dichloroisocyanurate 2893-78-9	X	-	-

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	0	1	Ox
<u>HMIS</u>	Health Hazards	Flammability	Physical hazards	Personal Protection
	2	0	1	F

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Revision Date: -

Revision Note: New

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet