



SECTION 1 - IDENTIFICATION

Manufacturer:

Black Swan Mfg. Co.
4540 W. Thomas St.
Chicago, IL 60651-3318
Tel.: 800-252-5796
Fax: 773-227-3705
Web Site : www.blackswanmfg.com
E-mail : info@blackswanmfg.com

For any Transportation or Medical Chemical Emergencies call:

INFOTRAC(800) 535-5053 **OR** (352) 323-3500

24 hours per day - 7 days a week

Product Name: Powdered Form Boiler Cleaner**Recommended Use:** To clean steam or hot water boilers.

SECTION 2 – HAZARD(S) IDENTIFICATION

Labels

Corrosive

Signal Word

Warning

HMIS

HEALTH 0

FLAMMABILITY 1

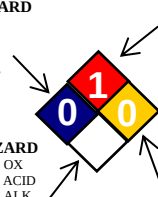
REACTIVITY 0

NFPA**HEALTH HAZARD**

4 – Deadly
3 – Extreme Danger
2 – Hazardous
1 – Slight Hazardous
0 – Normal Material

SPECIFIC HAZARD

Oxidizer OX
Acid ACID
Alkali ALK
Corrosive COR
Use NO WATER W
Radioactive R

**FIRE HAZARD**

Flash Points
4 – Below 73°F
3 – Below 100°F
2 – Above 100°F, Not exceeding 200°F
1 – Above 200°F
0 – Will not burn

REACTIVITY

4 – May detonate
3 – Shock and heat may detonate
2 – Violent chemical change
1 – Unstable if heated
0 – Stable

GHS Classification**Health**

Acute Toxicity: Not Established
Skin Irritation: Not Established
Eye Irritation: Not Established
Skin Sensitization: NO

Environmental

Acute Aquatic Toxicity: Not Established
Chronic Aquatic Toxicity: Not Established

Physical

None

Hazardous Statements

H314: Causes severe skin burns and eye damage

Precautionary Statements

P102: Keep out of reach of children
P260: Do not breathe dust
P264 Wash thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P280: Wear protective gloves/protective clothing/eye protection/face protection

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Chemicals**CAS#****EINECS#****REACH
Pre-registration Number****Approx %**

SODIUM CARBONATE

497-19-8

N/A

N/A

25-30%

TRISODIUM PHOSPHATE DODECAHYDRATE

10101-89-0

N/A

231-509-8

70-75%

*Unlisted ingredients are not classified as hazardous according to OSHA 1910.1200.

SECTION 4 – FIRST-AID MEASURES

Inhalation: Remove to fresh air.**Skin:** Wash off with water and soap. Remove all contaminated clothing and wash clothing before re-use. Get medical attention if irritation persists.**Eyes:** Rinse immediately with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so, continue rinsing. Get medical attention.**Ingestion:** Rinse mouth. Do not induce vomiting. Get medical attention.

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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: None.
Combustion Products: None.
Extinguishing Media: Dry Chemical, Water, Foam.
Unsuitable Extinguishing Media: None known.
Protective Equipment: Wear a self-contained breathing apparatus & protective clothing.
Special Fire Fighting Procedures: Water spray may be used to cool fire-exposed containers.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin and eyes.
Protective Equipment: None.
Emergency Procedures: None.
Environmental Precautions: Keep product out of sewers and waterways.
Methods for Cleaning Up: Take up mechanically and collect in suitable container for disposal. Clean contaminated surfaces.

SECTION 7 – HANDLING AND STORAGE

Handling

Keep out of reach of children. Handle in accordance with good industrial hygiene and safety practices. Keep away from flames and hot surfaces.

Storage

Keep container tightly closed in a dry, cool and well ventilated place. Store locked up. Keep from freezing. **Incompatible Materials:** Alkaloid, Gelatin, Albumin and Starch.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Chemicals</u>	<u>Exposure Limits</u>		
	<u>ACGIH-TLV</u>	<u>ACGIH-STEL</u>	<u>OSHA-PEL</u>
SODIUM CARBONATE	N/A	N/A	N/A
TRISODIUM PHOSPHATE DODECAHYDRATE	10 mg/m ³ (inhalable) 8-hr TWA 3 mg/m ³ (respirable) 8-hr TWA	N/A	15 mg/m ³ (total dust) 8-hr TWA 5 mg/m ³ (respirable) 8-hr TWA

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact. Showers. Ventilated system.
Ventilation: Local exhaust adequate.
Personal Protective Equipment – Respiratory: None. **Skin:** None. **Eyes:** Avoid contact. If needed use safety glasses.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Yellow Powder	Flash Point:	Not Established	Vapor Pressure:	Not Established
Odor:	Faint	Specific Gravity:	1	Flammability:	Not Established
pH:	Not Established	Solubility (H₂O):	Partial Solubility	Flammability Limits:	LEL – Not Established UEL – Not Established
Melting Point:	Not Established	Evaporation Rate:	Not Established		
Freezing Point:	Not Established	Vapor Density:	Not Established		
Boiling Point:	210°F-215°F	VOC:	0 g/l		

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.
Hazardous polymerization: Will not occur.
Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials: Alkaloid, Gelatin, Albumin and Starch.
Hazardous decomposition products: None.

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SECTION 11 – TOXICOLOGICAL INFORMATION

Hazardous Chemicals

SODIUM CARBONATE

TRISODIUM PHOSPHATE DODECAHYDRATE

Toxicity

LD₅₀

Oral: 2,800 mg/kg (rat)

Oral: 6,500 mg/kg (rat)

Dermal: >7,940 mg/kg (rabbit)

LC₅₀

Inhalation: 800 mg/kg (guinea pig)

N/A

Likely Routes of Exposure: Skin Contact and Eye Contact.

Symptoms and Effect – Inhalation: None. **Skin Contact:** Substance may cause slight skin irritation. **Eye Contact:** Contact with eyes may cause irritation. **Ingestion:** May cause irritation to mucous membrane.

Long-Term Effect: None.

Pre-Existing Conditions: None.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: None known.

Persistence & Degradability: None known.

Bioaccumulative Potential: None known.

Mobility in soil: In normal use, emission of Volatile Organic Compounds (VOC's) to the air takes place, typically at a rate of 0 g/l.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of product or container in accordance with federal, state or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

D.O.T. (U.S.): Not Regulated.

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: None.

Risk Phrases: None.

Safety Phrases: S2-Keep out of reach of children.

SECTION 16 – OTHER INFORMATION

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Mfg. Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents and contractors of the information on the sheets.

DATE: 01/01/2026