







GHS SAFETY DATA SHEET

**SECTION 1 - IDENTIFICATION**

<p>Manufacturer:          Black Swan Mfg. Co.          4540 W. Thomas St.          Chicago, IL 60651-3318          Tel.: 800-252-5796          Fax: 773-227-3705          Web Site : <a href="http://www.blackswanmfg.com">www.blackswanmfg.com</a>          E-mail : <a href="mailto:info@blackswanmfg.com">info@blackswanmfg.com</a></p>	<p>For any Transportation or Medical Chemical Emergencies call:   <b>INFOTRAC</b>           (800) 535-5053 <b>OR</b> (352) 323-3500           24 hours per day - 7 days a week</p>
<p><b>Product Name: Powdered Form Boiler Cleaner</b></p>	<p><b>Recommended Use:</b> To clean steam or hot water boilers.</p>

**SECTION 2 – HAZARD(S) IDENTIFICATION**

<p><b>Labels</b></p>  <p>Corrosive</p>	<p><b>NFPA</b></p> <table border="0"> <tr> <td data-bbox="391 737 537 840"> <p><b>HEALTH HAZARD</b>            4 – Deadly            3 – Extreme Danger            2 – Hazardous            1 – Slight Hazardous            0 – Normal Material</p> </td> <td data-bbox="537 787 662 940" style="text-align: center;">  </td> <td data-bbox="662 737 808 840"> <p><b>FIRE HAZARD</b>            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</p> </td> </tr> <tr> <td data-bbox="391 877 537 997"> <p><b>SPECIFIC HAZARD</b>            Oxidizer OX            Acid ACID            Alkali ALK            Corrosive COR            Use NO WATER W            Radioactive R</p> </td> <td></td> <td data-bbox="662 877 808 1008"> <p><b>REACTIVITY</b>            4 – May detonate            3 – Shock and heat may detonate            2 – Violent chemical change            1 – Unstable if heated            0 – Stable</p> </td> </tr> </table>	<p><b>HEALTH HAZARD</b>            4 – Deadly            3 – Extreme Danger            2 – Hazardous            1 – Slight Hazardous            0 – Normal Material</p>		<p><b>FIRE HAZARD</b>            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</p>	<p><b>SPECIFIC HAZARD</b>            Oxidizer OX            Acid ACID            Alkali ALK            Corrosive COR            Use NO WATER W            Radioactive R</p>		<p><b>REACTIVITY</b>            4 – May detonate            3 – Shock and heat may detonate            2 – Violent chemical change            1 – Unstable if heated            0 – Stable</p>	<p><b>GHS Classification</b></p> <table border="0"> <tr> <td data-bbox="820 751 1133 892"> <p><b>Health</b>            Acute Toxicity: Not Established            Skin Irritation: Not Established            Eye Irritation: Not Established            Skin Sensitization: NO</p> </td> <td data-bbox="1133 751 1567 892"> <p><b>Environmental</b>            Acute Aquatic Toxicity: Not Established            Chronic Aquatic Toxicity: Not Established</p> </td> </tr> <tr> <td colspan="2" data-bbox="820 919 1567 997" style="text-align: center;"> <p><b>Physical</b> None</p> </td> </tr> </table>	<p><b>Health</b>            Acute Toxicity: Not Established            Skin Irritation: Not Established            Eye Irritation: Not Established            Skin Sensitization: NO</p>	<p><b>Environmental</b>            Acute Aquatic Toxicity: Not Established            Chronic Aquatic Toxicity: Not Established</p>	<p><b>Physical</b> None</p>	
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<p><b>Signal Word</b> Warning</p>												
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REACTIVITY	0											
	<p><b>Hazardous Statements</b></p> <p>H314: Causes severe skin burns and eye damage</p>	<p><b>Precautionary Statements</b></p> <p>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</p>										

**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemicals</u>	<u>CAS#</u>	<u>EINECS#</u>	<u>REACH Pre-registration Number</u>	<u>Approx %</u>
SODIUM CARBONATE	497-19-8	N/A	N/A	25-30%
TRISODIUM PHOSPHATER 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**

<p><b>Inhalation:</b> Remove to fresh air.  <b>Skin:</b> Wash off with water and soap. Remove all contaminated clothing and wash clothing before re-use. Get medical attention if irritation persists.  <b>Eyes:</b> 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.  <b>Ingestion:</b> Rinse mouth. Do not induce vomiting. Get medical attention.</p>
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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

<u>Handling</u>	<u>Storage</u>
Keep out of reach of children. Handle in accordance with good industrial hygiene and safety practices. Keep away from flames and hot surfaces.	Keep container tightly closed in a dry, cool and well ventilated place. Store locked up. Keep from freezing. <b>Incompatible Materials:</b> 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 <sup>3</sup> (inhalable) 8-hr TWA 3 mg/m <sup>3</sup> (respirable) 8-hr TWA	N/A	15 mg/m <sup>3</sup> (total dust) 8-hr TWA 5 mg/m <sup>3</sup> (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

<b>Appearance:</b> Yellow Powder	<b>Flash Point:</b> Not Established	<b>Vapor Pressure:</b> Not Established
<b>Odor:</b> Faint	<b>Specific Gravity:</b> 1	<b>Flammability:</b> Not Established
<b>pH:</b> Not Established	<b>Solubility (H<sub>2</sub>O):</b> Partial Solubility	<b>Flammability Limits:</b> LEL – Not Established UEL – Not Established
<b>Melting Point:</b> Not Established	<b>Evaporation Rate:</b> Not Established	
<b>Freezing Point:</b> Not Established	<b>Vapor Density:</b> Not Established	
<b>Boiling Point:</b> 210°F-215°F	<b>VOC:</b> 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

#### LD<sub>50</sub>

Oral: 2,800 mg/kg (rat)  
Oral: 6,500 mg/kg (rat)  
Dermal: >7,940 mg/kg (rabbit)

#### LC<sub>50</sub>

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: 01/01/2021**