



BLACK SWAN MFG. CO.



GHS SAFETY DATA SHEET

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: Dynamic Duo




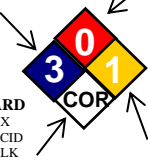




This product package contains Heavy Duty Liquid Drain Pipe Opener and Power Crystals. Please see both GHS sheets below.



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: <p style="text-align: center;">INFOTRAC</p> <p style="text-align: center;">(800) 535-5053 OR (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p> |
| Product Name: Heavy Duty Liquid Drain Pipe Opener | Recommended Use: For cleaning clogged or sluggish drains. Restriction of use: Do not mix or add any substance to this product. |

SECTION 2 – HAZARD(S) IDENTIFICATION

| | | | | | | | | | | | | | | | | |
|---|---|--|--------------|---|------------|---|--|--|---|--|---|--|---------------|----------------------|---|--|
| <p>Labels</p>  <p>Toxic Corrosive</p> <p>Signal Word Danger</p> <p>HMS</p> <table border="1"> <tr><td>HEALTH</td><td>3</td></tr> <tr><td>FLAMMABILITY</td><td>0</td></tr> <tr><td>REACTIVITY</td><td>1</td></tr> </table> | HEALTH | 3 | FLAMMABILITY | 0 | REACTIVITY | 1 | <p>NFPA</p> <table border="1"> <tr> <td>HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material</td> <td>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</td> </tr> <tr> <td>SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER  Radioactive </td> <td>REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable</td> </tr> </table>  | HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material | 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 | SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER  Radioactive  | REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable | <p>GHS Classification</p> <table border="1"> <tr> <td>Health</td> <td>Environmental</td> </tr> <tr> <td>Acute Toxicity: Oral-Cat.3/Dermal-Cat.4 Skin Irritation: Cat.1B Eye Irritation: Cat.1 Skin Sensitization: NO</td> <td>Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</td> </tr> </table> <p>Physical Flammability: Cat. 2</p> | Health | Environmental | Acute Toxicity: Oral-Cat.3/Dermal-Cat.4 Skin Irritation: Cat.1B Eye Irritation: Cat.1 Skin Sensitization: NO | Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established |
| HEALTH | 3 | | | | | | | | | | | | | | | |
| FLAMMABILITY | 0 | | | | | | | | | | | | | | | |
| REACTIVITY | 1 | | | | | | | | | | | | | | | |
| HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material | 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 | | | | | | | | | | | | | | | |
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| Health | Environmental | | | | | | | | | | | | | | | |
| Acute Toxicity: Oral-Cat.3/Dermal-Cat.4 Skin Irritation: Cat.1B Eye Irritation: Cat.1 Skin Sensitization: NO | Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established | | | | | | | | | | | | | | | |
| <p>Hazardous Statements</p> <p>H302: Harmful if swallowed H314: Causes severe skin burns and eye damage</p> | | <p>Precautionary Statements</p> <p>P102: Keep out of reach of children P103: Read label before use P262: Do not get in eyes, on skin, or on clothing P264: Wash thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/face protection</p> | | | | | | | | | | | | | | |

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

| Chemicals | CAS# | EINECS# | REACH Pre-registration Number | Approx % |
|---------------------|-----------|-----------|----------------------------------|----------|
| POTASSIUM HYDROXIDE | 1310-58-3 | 215-181-3 | N/A | 20-30% |
| SODIUM HYDROXIDE | 1310-72-2 | 215-185-5 | N/A | 20-30% |

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

SECTION 4 – FIRST-AID MEASURES

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|---|
| <p>Inhalation: Remove victim into fresh air. Call a physician.</p> <p>Skin: Flood with water for 15 minutes then wash with vinegar.</p> <p>Eyes: Flush with water for 15 minutes. If irritation persists, get medical attention. .</p> <p>Ingestion: Drink large quantities of water. Follow with citrus fruit juice, if available. Do not induce vomiting unless directed to do so by medical personnel.</p> |
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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: Sodium Hydroxide will react with metals such as Aluminum, tin, and zinc to generate flammable and explosive hydrogen gas.

Combustion Products: None known.

Extinguishing Media: Dry Chemical, Carbon Dioxide, Water Spray

Unsuitable Extinguishing Media: None known.

Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.

Special Fire Fighting Procedures: Avoid contact of Sodium Hydroxide with water, as this can produce a violent exothermic reaction. Contact with reactive metals may result in the generation of flammable gas. Evacuate enclosed areas, stay upwind. Closed or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks. Use water spray to cool containers, to flush spills from sources of ignition and to disperse vapors.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prevent contact with skin or eyes. Personnel cleaning up the spill should wear appropriate personal protective equipment, including respirators if vapor concentrations are high.

Protective Equipment: Wear suitable respiratory protective equipment.

Emergency Procedures: Remove all sources of ignition and ventilate area. For leaks, stop leak if it can be done safely. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.

Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.

Methods for Cleaning Up: If possible, dike spill and mop or pump into plastic or lacquer lined drums; label “Corrosive” and store away from heat and direct sunlight. Residual may be neutralized with citric acid.

SECTION 7 – HANDLING AND STORAGE

Handling

Use entire contents of container, rinse thoroughly and then dispose of container in accordance with the local state or federal regulations.

Storage

Store at room temperature. Keep container closed when not in use.
Incompatible Materials: Acids, metals, explosives, organic compounds and flammable materials. Do not store in containers made from tin, aluminum, zinc and alloys containing these materials.

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> |
| POTASSIUM HYDROXIDE | 2mg/m ³ | N/A | N/A |
| SODIUM HYDROXIDE | 2mg/m ³ | N/A | 2mg/m ³ |

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact. Use local exhaust as needed.

Ventilation: Local ventilation is adequate. Use only explosion proof ventilation equipment.

Personal Protective Equipment – Respiratory: Atmospheric levels should be maintained below established exposure limits. If airborne concentrations exceed those limits, use of a NIOSH approved organic vapor cartridge respirator with full face-piece is recommended. The effectiveness of an air purifying respirator is limited. Use it only for a single short-term exposure. For emergency and other conditions where short term exposure guidelines may be exceeded, use an approved positive pressure self-contained breathing apparatus.

Personal Protective Equipment – Skin: Prevent contact with skin. Neoprene/Chemical resistant gloves. Chemical suit, rubber boots.

Personal Protective Equipment – Eyes: Chemical safety goggles and/or face shield.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

| | | | | | |
|------------------------|-----------------------------|--------------------------|-----------------|-----------------------------|-----------------------|
| Appearance: | Clear Liquid | Flash Point: | Not Established | Vapor Pressure: | 1.5 mm Hg @ 20°C |
| Odor: | Odorless | Specific Gravity: | 1.44 | Flammability: | Not Established |
| pH: | 14.0 (Aqueous solution: 5%) | Solubility (H2O): | Complete | Flammability Limits: | LEL – Not Established |
| Melting Point: | Not Established | Evaporation Rate: | Not Established | | UEL – Not Established |
| Freezing Point: | Not Established | Vapor Density: | Not Established | | |
| Boiling Point: | 265°F | VOC: | 0 g/l | | |

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SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Mixing with water, acid, or incompatible materials can cause splattering and release of large amounts of heat.

Incompatible materials: Acids, aluminum, tin, zinc, and alloys containing these: metals, iron, copper, wool, leather, clothing materials, organic chemicals such as nitrocarbons, and halogenated hydrocarbons, carbohydrates, phosphorous, explosives and organic peroxides.

Hazardous decomposition products: Potassium and Sodium Oxides form under fire conditions. Carbon Monoxide with Carbohydrates, Hydrogen with Aluminum, Tin and Zinc.

SECTION 11 – TOXICOLOGICAL INFORMATION

| <u>Hazardous Chemicals</u> | <u>Toxicity</u> | <u>LC₅₀</u> |
|----------------------------|--------------------------|------------------------|
| POTASSIUM HYDROXIDE | Oral: 365 mg/kg (rat) | N/A |
| SODIUM HYDROXIDE | Oral: 500 mg/kg (rabbit) | N/A |

Likely Routes of Exposure: Inhalation, Skin Contact, Eye Contact and Ingestion.

Symptoms and Effect - Inhalation: Causes respiratory irritation which may develop into serious lung injury depending upon the degree of exposure.

Skin Contact: Corrosive. Can cause severe skin burns. Irritation may not be immediately painful. Greater exposure results in severe burns with scarring.

Eye Contact: Corrosive. Can cause serious eye burns. Contact results in immediate pain and can cause permanent eye damage including blindness.

Ingestion: Corrosive. Contact will cause severe burns of the mouth, throat and stomach.

Long-Term Effect: Repeated or prolonged skin contact would be expected to cause drying, cracking, and inflammation of the skin (dermatitis) and possible inflammation of the respiratory tract.

Pre-Existing Conditions: None known.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Mosquito fish: LC50=125mg/L 37 wt. % solution of Sodium Hydroxide.

Persistence & Degradability: Yes.

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

Shipping Information

Shipping Name: Sodium Hydroxide Solution

Hazardous Class: 8

I.D. Number: UN1824

Packing Group: II

Label Required: Corrosive

Marine Pollutant: No

Exception to the rule: If the package that contains the hazardous material is in a small consumer size (Less than 1L), then the rules that apply to shipping hazardous materials do not apply. This is called an "Exception".

This is classified as Limited Quantity

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: Toxic, Corrosive

Risk Phrases: R36/37-Irritant to eyes and respiratory system. R66-Repeated exposure may cause skin dryness or cracking.

Safety Phrases: S2-Keep out of reach of children. S9-Keep container in a well-ventilated place. S25-Avoid contact with eyes. S26-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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



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 : www.blackswanmfg.com E-mail : info@blackswanmfg.com</p> | <p>For any Transportation or Medical Chemical Emergencies call:</p> <p style="text-align: center;">INFOTRAC</p> <p style="text-align: center;">(800) 535-5053 OR (352) 323-3500</p> <p style="text-align: center;">24 hours per day - 7 days a week</p> |
| <p>Product Name: Power Crystals</p> | <p>Recommended Use: For cleaning clogged or sluggish drains.</p> |

SECTION 2 – HAZARD(S) IDENTIFICATION

| | | | | | | | | | | | | |
|---|--|---|---|--|---|--|--|---|---|---|---------------------------------|--|
| <p>Labels</p>  <p>Corrosive</p> | <p style="text-align: center;">NFPA</p> <table border="0"> <tr> <td data-bbox="389 735 535 840"> <p>HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material</p> </td> <td data-bbox="535 777 665 945" style="text-align: center;">  </td> <td data-bbox="665 735 812 861"> <p>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</p> </td> </tr> <tr> <td data-bbox="389 871 535 997"> <p>SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER  Radioactive </p> </td> <td data-bbox="665 871 812 1008"> <p>REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable</p> </td> <td></td> </tr> </table> | <p>HEALTH HAZARD 4 – Deadly 3 – Extreme Danger 2 – Hazardous 1 – Slight Hazardous 0 – Normal Material</p> |  | <p>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</p> | <p>SPECIFIC HAZARD Oxidizer OX Acid ACID Alkali ALK Corrosive COR Use NO WATER  Radioactive </p> | <p>REACTIVITY 4 – May detonate 3 – Shock and heat may detonate 2 – Violent chemical change 1 – Unstable if heated 0 – Stable</p> | | <p style="text-align: center;">GHS Classification</p> <table border="0"> <tr> <td data-bbox="812 745 1120 892"> <p>Health Acute Toxicity: Oral-Cat.3/Dermal-Cat.4 Skin Irritation: Cat.1B Eye Irritation: Cat.1 Skin Sensitization: NO</p> </td> <td data-bbox="1120 745 1563 892"> <p>Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</p> </td> </tr> <tr> <td colspan="2" data-bbox="812 913 1563 987" style="text-align: center;"> <p>Physical None</p> </td> </tr> </table> | <p>Health Acute Toxicity: Oral-Cat.3/Dermal-Cat.4 Skin Irritation: Cat.1B Eye Irritation: Cat.1 Skin Sensitization: NO</p> | <p>Environmental Acute Aquatic Toxicity: Not Established Chronic Aquatic Toxicity: Not Established</p> | <p>Physical None</p> | |
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| <p>Physical None</p> | | | | | | | | | | | | |
| <p style="text-align: center;">Hazardous Statements</p> <p>H302: Harmful if swallowed H314: Causes severe skin burns and eye damage</p> | | <p style="text-align: center;">Precautionary Statements</p> <p>P102: Keep out of reach of children P234: Keep only in original container P260: Do not breathe dust/fumes/gas/mist/vapour/spray P262: Do not get in eyes, on skin, or on clothing P264: Wash thoroughly after handling 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</u> <u>Pre-registration Number</u> | <u>Approx %</u> |
|-------------------|-------------|----------------|--|-----------------|
| SODIUM HYDROXIDE | 1310-73-2 | N/A | N/A | 50-60% |
| SODIUM NITRATE | 7361-99-4 | 231-554-3 | N/A | 15-30% |
| ALUMINUM GRANULES | 7429-90-5 | N/A | N/A | 1-5% |

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

SECTION 4 – FIRST-AID MEASURES

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician immediately.

Skin: Remove immediately all contaminated clothing and shoes. Wash before reuse. Wash skin thoroughly with soap and water. Get medical attention.

Eyes: Flush with water for 15 minutes. Remove any contact lenses if present and easy to do so, continue rinsing. If irritation persists, get medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Contact a physician immediately.

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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard: Substance will react with water (some violently), releasing corrosive and/or toxic gases.
Combustion Products: None known.
Extinguishing Media: Dry Chemical.
Unsuitable Extinguishing Media: None known.
Protective Equipment: Self-contained breathing apparatus {(SCBA), MSHA/NIOSH}. Full protective gear.
Special Fire Fighting Procedures: In the event of fire and/or explosion, do NOT breathe fumes. Evacuate enclosed areas, stay upwind. Closed or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks. Use water spray to cool containers, to flush spills from sources of ignition and to disperse vapors.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions: Do not get water inside containers. Prevent contact with skin or eyes. Personnel cleaning up the spill should wear appropriate personal protective equipment, including respirators if vapor concentrations are high.
Protective Equipment: Wear suitable respiratory protective equipment.
Emergency Procedures: Remove all sources of ignition and ventilate area. For leaks, stop leak if it can be done safely. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions: Avoid runoff into storm sewers, ditches and waterways.
Methods for Cleaning Up: Prevent further leakage or spillage if safe to do so. Prevent dust cloud. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surfaces thoroughly.

SECTION 7 – HANDLING AND STORAGE

| <u>Handling</u> | <u>Storage</u> |
|--|---|
| Avoid contact with eyes, skin and clothing. Avoid prolonged breathing of vapor and mist. Use with adequate ventilation. Wash thoroughly after handling. Do not eat, drink or smoke in the work area. Keep containers closed when not in use. | Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container closed when not in use. Incompatible Materials: Aluminum, Tin, Lead, Zinc, and other alloys and all acids. |

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 HYDROXIDE | 2mg/m ³ | N/A | 2mg/m ³ |
| SODIUM NITRATE | N/A | N/A | N/A |
| ALUMINUM GRANULES | N/A | N/A | N/A |

Engineering Controls: A source of running water to flush or wash the eyes and skin in case of contact. Use local exhaust as needed.
Ventilation: Local ventilation is adequate. Use only explosion proof ventilation equipment.
Personal Protective Equipment – Respiratory: Atmospheric levels should be maintained below established exposure limits. If airborne concentrations exceed those limits, use of a NIOSH approved organic vapor cartridge respirator with full face-piece is recommended. The effectiveness of an air purifying respirator is limited. Use it only for a single short-term exposure. For emergency and other conditions where short term exposure guidelines may be exceeded, use an approved positive pressure self-contained breathing apparatus.
Personal Protective Equipment – Skin: Prevent contact with skin. Impervious gloves. Impervious clothing.
Personal Protective Equipment – Eyes: Tightly fitted safety goggles or Face shield.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

| | | |
|---|--|---|
| Appearance: White with gray-metal granules | Flash Point: Not Established | Vapor Pressure: Not Established |
| Odor: Odorless | Specific Gravity: 2.1 | Flammability: Not Established |
| pH: 13 | Solubility (H2O): Soluble | Flammability Limits: LEL – Not Established |
| Melting Point: Not Established | Evaporation Rate: Not Established | UEL – Not Established |
| Freezing Point: Not Established | Vapor Density: Not Established | |
| Boiling Point: 2534°F | VOC: 0 g/l | |

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SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Conditions to avoid: Exposure to air or moisture over prolonged periods. Avoid dust formation.

Incompatible materials: Aluminum, Tin, Lead, Zinc, and other alloys and all acids.

Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors. Reaction with various food sugars may form Carbon Dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

| Hazardous Chemicals | Toxicity | |
|----------------------------|---|------------------------|
| | LD₅₀ | LC₅₀ |
| SODIUM HYDROXIDE | Oral: 140 mg/kg (rat); Dermal: 1,350 mg/kg (rabbit) | N/A |
| SODIUM NITRATE | N/A | N/A |
| ALUMINUM GRANULES | N/A | N/A |

Likely Routes of Exposure: Inhalation, Skin Contact and Eye Contact.

Symptoms and Effect - Inhalation: Inhalation of corrosive fumes/gases may cause coughing, choking, headaches, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increase heart rate. Aspiration into lungs can produce severe lung damage.

Skin Contact: Corrosive. Causes burns.

Eye Contact: Corrosive. Causes burns. May cause severe damage including blindness.

Ingestion: Corrosive. Harmful if swallowed. Ingestion can cause burns of the upper digestive and respiratory tract. Can burn mouth, throat, and stomach.

Long-Term Effect: Repeated or prolonged skin contact would be expected to cause drying, cracking, and inflammation of the skin (dermatitis) and possible inflammation of the respiratory tract.

Pre-Existing Conditions: None known.

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

Shipping Information

Shipping Name: Sodium Hydroxide Solid
Hazardous Class: 8
I.D. Number: UN1823
Packing Group: II
Label Required: Corrosive
Marine Pollutant: No

Exception to the rule: If the package that contains the hazardous material is in a small consumer size (Less than 1L), then the rules that apply to shipping hazardous materials do not apply. This is called an "Exception".
This is classified as Limited Quantity.

SECTION 15 – REGULATORY INFORMATION

Precautionary Label Information: Toxic and Corrosive.

Risk Phrases: R36/37-Irritant to eyes and respiratory system. R66-Repeated exposure may cause skin dryness or cracking.

Safety Phrases: S2-Keep out of reach of children. S9-Keep container in a well-ventilated place. S25-Avoid contact with eyes. S26-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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