

SAFETY DATA SHEET

High Alkaline Powder RO Cleaner

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Printed: 01/20/2022
Revision: 11/30/2018

1. Product and Company Identification

Product Code: 231011-1
Product Name: High Alkaline Powder RO Cleaner
Emergency Contact: 1 (800)424-9300

2. Hazards Identification

Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 1A
Serious Eye Damage/Eye Irritation, Category 1
Aquatic Toxicity (Acute), Category 3
Corrosive To Metals, Category 1



GHS Signal Word: **Danger**

GHS Hazard Phrases: Harmful if swallowed.
Causes severe skin burns and eye damage.
May cause respiratory irritation.
Harmful to aquatic life.
May be corrosive to metals.

GHS Precautionary Phrases: Keep out of reach of children.
Read label before use.
Do not get in eyes, on skin, or on clothing.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wear rubber gloves, chemical goggles, face shield and rubber apron.
Take precautions to avoid mixing with acid products and ammoniated products.

GHS Response Phrases: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.
IF ON SKIN: Remove immediately all contaminated clothing and wash it before reuse. Wash with plenty of water for 15 minutes. If skin irritation occurs: Get medical advice/attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get immediate medical advice/attention.

Medical and Transportation Emergencies contact 1-800-424-9300.

GHS Storage and Disposal Phrases: Dispose of contents/container in accordance with local, state and federal regulations.
Store locked up.

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3. Composition/Information on Ingredients

| CAS # | Hazardous Components (Chemical Name) | Concentration |
|-----------|---|---------------|
| 1310-73-2 | Sodium hydroxide {Caustic soda; Lye solution} | 55 - 85 % |

4. First Aid Measures

Emergency and First Aid Procedures:

| | |
|---------------------------------|---|
| In Case of Inhalation: | Immediately move victim to fresh air. If experiencing respiratory symptoms: Get medical advice/attention. |
| In Case of Skin Contact: | Brush off loose excess material. Flush thoroughly with fresh, tepid water for 15 minutes. Discard contaminated clothing and footwear or wash before reuse. If skin irritation occurs: Get medical advice/attention. |
| In Case of Eye Contact: | Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. |
| In Case of Ingestion: | Do not induce vomiting. Rinse mouth with fresh, Tepid water, than immediately drink 4-8 oz. or milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs. Get medical advice/attention. |

5. Fire Fighting Measures

Flash Pt:

Explosive Limits: LEL: UEL:

Autoignition Pt:

Suitable Extinguishing Media: Dry chemical, CO2, sand, earth, water spray or regular foam.

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

Flammable Properties and

Hazards:

Hazardous Combustion

Products:

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Wear chemical protective clothing. Rubber gloves. Safety glasses. NIOSH/MSHA approved respirator. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Provide mechanical ventilation to disperse or ventilate the area with fresh air.

Steps To Be Taken In Case Material Is Released Or Spilled: Vacuum or sweep up material and place into a suitable disposal container.

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7. Handling and Storage

Precautions To Be Taken in Handling: For industrial or institutional use only.

Precautions To Be Taken in Storing: Keep container closed when not in use. Store in a cool, dry place. Store away from incompatible material

8. Exposure Controls/Personal Protection

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|---|---|--------------|---------------|--------------|
| 1310-73-2 | Sodium hydroxide (Caustic soda; Lye solution) | PEL: 2 mg/m3 | CEIL: 2 mg/m3 | |
| Respiratory Equipment (Specify Type): | NIOSH/MSHA approved respirator | | | |
| Eye Protection: | Safety glasses | | | |
| Protective Gloves: | Rubber or neoprene gloves | | | |
| Other Protective Clothing: | Wear chemical protective clothing. | | | |
| Engineering Controls (Ventilation etc.): | Handle in accordance with good industrial hygiene and safety practice. In a well ventilated area. Wash hands before breaks and at the end of workday. | | | |

9. Physical and Chemical Properties

Physical States: [] Gas [] Liquid [X] Solid

Appearance and Odor: Appearance: White Powder
Odor: No apparent odor

pH: - 12.8 @1%

Melting Point:

Boiling Point:

Flash Pt:

Evaporation Rate:

Flammability (solid, gas):

Explosive Limits: LEL: UEL:

Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air = 1):

Specific Gravity (Water = 1):

Solubility in Water: 100

Octanol/Water Partition Coefficient:

Autoignition Pt:

Decomposition Temperature:

Viscosity:

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10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Keep from getting damp or wet.

Incompatibility - Materials To Avoid: Avoid contact with acidic and ammonia products.

Hazardous Decomposition or Byproducts:

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Inhalation, Eye contact, Skin contact

Irritation or Corrosion:

- Eyes: Causes serious eye damage.
- Skin: Causes severe skin burns.
- Ingestion: Causes digestive tract burns.
- Inhalation: May cause nose, throat, and lung irritation

Symptoms related to Toxicological Characteristics:

- Eyes: Redness, Pain, Corrosion.
- Skin: Redness, Pain, Corrosion.
- Ingestion: Corrosion, Abdominal pain
- Inhalation: Respiratory irritation, cough

| CAS # | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|-----------|---|-----|------|-------|------|
| 1310-73-2 | Sodium hydroxide {Caustic soda; Lye solution} | | | | |

12. Ecological Information

General Ecological Information: Harmful to aquatic life.

13. Disposal Considerations

Waste Disposal Method: Dispose of contents/container in accordance to local, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide)

DOT Hazard Class: 8 CORROSIVE

UN/NA Number: UN3262 **Packing Group:** II



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15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS # | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|-----------|---|--------------|-------------|--------------|
| 1310-73-2 | Sodium hydroxide {Caustic soda: Lye solution} | No | Yes 1000 LB | No |

| CAS # | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|-------|--------------------------------------|-----------------------------|
|-------|--------------------------------------|-----------------------------|

| | | |
|-----------|---|--|
| 1310-73-2 | Sodium hydroxide {Caustic soda: Lye solution} | TSCA: Inventory CA TAC, Title 8: TAC: Cat. IIb, Title 8 MA Oil/HazMat MI CMR, Part 5: Part 5 NY Part 597: Yes: HS PA HSL: Yes - E SC TAP WI Air |
|-----------|---|--|

16. Other Information

Revision Date: 11/30/2018

Additional Information About This Product: Company's Disclaimer: While The Company believes this statement set forth herein are accurate of the date hereof, The Company makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.