

CLORAM-X® POWDER

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1. Product Identification

Synonyms: Sodium Formaldehyde Bisulfite; Formaldehyde-sodium Bisulfite adduct.

CAS No.: 870-72-4

EC-No.: 212-800-9

Molecular Weight: 134.09 g/mol

Chemical Formula: CH₃NaO₄S

Product Codes: 600-38, 600-42, 600-43, 600-64, HK72323, HK72328

2. Hazards Identification

Hazard Classification: None

Signal Word: None.

Hazard Statement(s): This material is not considered hazardous.

Pictograms/Hazard Symbols: None.

Precautionary statement: As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Description of Any Hazards Not Otherwise Classified: None.

Ingredients With Unknown Toxicity: None.

3. Composition/Information on Ingredients

No components need to be disclosed according to applicable regulations.

4. First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

SAF-T-DATA™ Ratings:

Health Rating: 0 - None.

Flammability Rating: 0 – None.

Reactivity Rating: 1 – Slight.

Contact Rating: 1 – Moderate.

Lab Protective Equipment: Goggles & Shield; Lab Coat & Apron; Proper Gloves

Storage Code: Green (general storage)

Inhalation: If breathed in, move person in to fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.

Most Important Symptoms & Effects Both Acute & Delayed: The most important known symptoms and effects are described on the labeling and/or section 11 of this form.

Indication Of Any Immediate Medical Attention & Special Treatment Required: No data available

5. Fire Fighting Measures

This product is not considered to be a fire hazard.

Fire: Not combustible.

Explosion: This product is not an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Hazards Arising From The Substance Mixture: Carbon oxides, Sulphur oxides, Sodium Oxides.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust. For personal protection see section 8 of this form.

Environmental Precautions: Do not let product enter drains.

Emergency Procedures: Avoid creating dust.

Methods & Materials for Containment: Keep in suitable, closed containers.

Cleanup Procedures: Pick up and arrange for disposal without creating dust. Sweep carefully and shovel up. See section 13 for proper disposal.

7. Handling and Storage

Precautions For Safe Handling: Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Normal Measures For Preventative Fire Protection: For precautions see section 2 above.

Conditions For Safe Storage Including Any Incompatibilities: Keep container tightly closed in a dry, well-ventilated place. Hygroscopic.

Specific End Use(s): Apart from the uses mentioned in section 1 above, no other specific uses are stipulated.

Ventilation Requirements: None.

8. Exposure Controls/Personal Protection

Components With Workplace Control Parameters: Contains no substances with occupational exposure limit values.

Exposure Controls

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

Airborne Exposure Limits: None established.

Ventilation System: None required.

Personal Respirators (NIOSH Approved): Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) and CEN (EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands after use.

Face/Eye Protection: Use equipment for eye protection that has been tested and approved under appropriate governmental standards such as NIOSH (US) or EN 166 (EU).

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Control of Environmental Exposure: Do not let product enter drains.

9. Physical & Chemical Properties

Appearance: Solid.

Odor: No data available.

Odor Threshold: No data available.

pH: No data available.

Melting Point: 200°C (392°F) –dec..

Boiling Point: No data available.

Flash Point: No data available.

Evaporation Rate: No data available.

Flammability: No data available.
Upper/Lower Flammability or Explosive Limits: No data available.
Vapor Pressure (mm Hg): No data available.
Vapor Density (Air=1): No data available.
Relative Density: No data available.
Water Solubility: No data available.
Partition Coefficient: n-octanol/water – No data available.
Auto Ignition Temperature: No data available.
Decomposition Temperature: No data available.
Viscosity: No data available.
Explosive Properties: No data available.
Oxidizing Properties: No data available.
Other Safety Information: No data available.

10. Stability & Reactivity

Reactivity: No data available.
Chemical Stability: Stable under recommended storage conditions.
Possibility of Hazardous Reactions: No data available.
Hazardous Decomposition Products: No data available.
Incompatibilities: Do not store near acids or strong oxidizing agents.
Conditions to Avoid: No data available.
In The Event Of Fire: See section 5 above.

11. Toxicological Information

Likely Routes of Exposure: Skin contact, inhalation.
Effects of Short-term & Long-term Exposure: Not known.
Acute Toxicity: LD₅₀ Oral – Rat – 3,200 mg/Kg.
Inhalation: No data available.
Dermal: No data available.
Skin Corrosion/Irritation: No data available.
Symptoms of Exposure: None.
Serious Eye Damage/Eye Irritation: No data available.
Respiratory or Skin Sensitization: No data available.
Germ Cell Mutagenicity: No data available.
Reproductive Toxicity: No data available.
Specific Target Organ Toxicity: Single exposure: no data available.
Specific Target Organ Toxicity: repeated exposure: no data available.
Aspiration Hazard: No data available.
Listed in the National Toxicological Program (NTP) Report of Carcinogens (latest edition): No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.
Listed in the International Agency of Research on Cancer (IARC) Monographs (latest editions): No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

Listed in the American Conference of Government Industrial Hygienists (ACGIH)

Workplace Controls (latest editions): No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Found To Be A Potential Carcinogen by OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Additional Information: RTECS: PB2200000.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12. Ecological Information

Environmental Fate: No data available.

Environmental Toxicity: No data available.

Persistence & Degradability: No data available.

Bio-accumulative Potential: No data available.

Mobility in Soil: No data available.

Results of PBT and vPvB Assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other Adverse Effects: No data available.

13. Disposal Considerations

Waste Treatment Methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated Packaging: Dispose of as unused product.

14. Transport Information

D.O.T. Hazard Classification: Not dangerous goods.

IMDG: Not dangerous goods.

IATA: Not dangerous goods.

15. Regulatory Information

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (*De Minimis*) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components: Sodium hydroxymethanesulphonate CAS-No. 870-72-4

New Jersey Right To Know Components: Sodium hydroxymethanesulphonate CAS-No. 870-72-4

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. Not regulated.

16. Other Information

Product Use: Consumer and professional water conditioner for freshwater and marine fishes.

HMIS Ratings

Health Hazard: 1

Chronic Health Hazard

Flammability: 0

Physical Hazard: 0

NFPA Ratings

Health Hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

Revision Information: Revised 06/29/2015.

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