

BIFURAN+

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1. Product Identification

Synonyms: None

CAS No.: Mixture.

Molecular Weight: N/A

Chemical Formula: N/A

Product Codes: 73500, 73501

2. Hazards Identification

Hazard Classification: None.

Signal Word: Warning.

Hazard Statement(s): As a mixture, this material is not generally considered hazardous.

Pictograms/Hazard Symbols:



Precautionary Statement: Avoid breathing dust. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed in the workplace. Wash contaminated clothing before reuse. Avoid release to the environment. Wear protective gloves. IF SWALLOWED: Call a POISON CONTROL CENTER or doctor/physician if feeling unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention. Dispose of container of contents to an appropriate waste disposal unit.

Description of Any Hazards Not Otherwise Classified: None.

Ingredients With Unknown Toxicity: None.

3. Composition/Information on Ingredients

Ingredient	CAS No.	Percent	Hazardous
Sodium Chloride	7647-14-5	>80	No

Nitrofurazone	59-87-0	<15	Yes
Furazolidone	67-44-8	<5	Yes
Proprietary Ingredients	*	>1	No

*The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the physician in attendance. Move out of the contaminated area.

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

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

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

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

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.

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

6. Accidental Release Measures

Personal Precautions: Floors may become slippery. Use appropriate caution when walking through spills.

Emergency Procedures: Wash down floors with water to remove slipping hazard.

Methods & Materials for Containment: None.

Cleanup Procedures: Sweep up and shovel. Keep in suitable, closed container for disposal. Large spills may be washed down with water to nearest drain.

7. Handling and Storage

Precautions for Safe Handling: Keep in a tightly closed container. Protect against physical damage.

Incompatibilities: Strong oxidizing agents (e.g. bleach solutions, potassium permanganate).

Ventilation Requirements: Provide appropriate exhaust in places where dust may be formed.

Conditions For Proper Storage: Keep container tightly closed when not in use. Light sensitive. Keep in a dry place.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.

Ventilation System: None required.

Personal Respirators (NIOSH Approved): For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.

Skin Protection: Handle with gloves.

Eye Protection: Use chemical safety goggles and/or full face shield where splashing of solutions possible. Maintain eye wash fountain in work area.

9. Physical and Chemical Properties

Appearance: Yellow to yellowish powder.

Odor: None.

Odor Threshold: Not established.

pH: No data available.

Melting Point: Not determined.

Boiling Point: Not determined.

Flammability: None.

Upper/Lower Flammability or Explosive Limits: Not flammable or explosive.

Vapor Pressure (mm Hg): No information found.

Vapor Density (Air=1): No information found.

Density: Not determined.

Solubility: 100% soluble in water.

Partition Coefficient (n-octanol/water): Not determined.

Flash Point: Not determined.

Decomposition Temperature: Not determined.

Viscosity: Not determined.

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Carbon oxides, COx and oxides of nitrogen, NOx.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong acids, oxidizers.

Conditions to Avoid: Wetting (always keep material dry until use).

11. Toxicological Information

Likely Routes of Exposure: Skin contact.

Effects of Short- and Long-term Exposure: Not known.

Acute Toxicity: LD50 Oral – Rat: 590 mg/Kg (for Nitrofurazone), LD50 Oral – Rat: 2,336 mg/Kg (for Furazolidone)

Symptom of Exposure: None.

Listed in the National Toxicological Program (NTP) Report of Carcinogens (latest edition): No.

Listed in the International Agency of Research on Cancer (IARC) Monographs (latest edition): No.

Found to be a Potential Carcinogen by OSHA: No.

12. Ecological Information

Environmental Fate: Not known.

Environmental Toxicity: Toxicity to goldfish (*Carassius auratus*): LC50 – 71 mg/L – 96 hours, toxicity to guppy (*Poecilia reticulata*): LC50 – 25 mg/L – 96 hours.

13. Disposal Considerations

Whatever cannot be saved for recovery, reuse or recycling should be handled can be washed down into a sanitary sewer. State and local disposal regulations may differ from federal disposal regulations. Container and unused contents are not hazardous. Container may be rinsed with water and recycled as household waste.

14. Transport Information

D.O.T. Hazard Classification: None.

D.O.T. Label/Placards: None required.

UN or NA Number: None.

Reportable Quantity: None.

Proper Shipping Name: Saline solution, #59370, supplement NMF100C, Class 55.

15. Regulatory Information

None required.

16. Other Information

Product Use: Consumer and professional disease treatment for freshwater and marine fishes.

Revision Information: Revised 05/20/2015.

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