

# SAFETY DATA SHEET

Issue Date: October 5, 2009

Revision Date: August 26, 2025

Version 1.

## 1. IDENTIFICATION

Product Identifier:

Product Name

**DIRL-HIB III**

Other Means of Identification:

SDS #

BW-010

Recommended Use of the Chemical and Restriction on Use:

Recommended Use      Rust Inhibitor

Details of the Supplier of Safety Data Sheet:

Blue Wave Ultrasonics

209 W. 76th St.

Davenport, Iowa 52806

1-800-373-0144

Emergency Telephone Number

Emergency Telephone (24 Hr)

INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

Appearance:      Pink Liquid

Physical State:      Liquid

Odor:      Surfactant

Classification:

Acute toxicity (ORAL)

Category 4

Serious eye damage/eye irritation

Category 2

Sub-Category B

Hazards Not Otherwise Classified (HNOC)

Not determined.

Signal Word:

Warning

Hazard Statements:

Harmful if swallowed.

Causes serious eye irritation.



Precautionary Statements - Prevention:

Wear protective gloves and eye protection.

Precautionary Statements - Response:

IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists, get medical attention.

IF ON SKIN (or hair): Rinse skin with water. If skin irritation or rash occurs, get immediate medical attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Rinse mouth. Get medical attention if you feel unwell.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container at an approved disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS		
Chemical Name	CAS No.	Weight %
Sodium Metasilicate	6834-92-0	<2
If Chemical Name/CAS No is "proprietary" and/or Weight % is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.		
4. FIRST AID MEASURES		
General Advice: Provide this SDS to medical personnel for treatment.		
Eye Contact:	Flush with large amounts of water for 15 minutes. Lift the upper and lower eyelid to ensure complete flushing of the eye (s). Remove contact lens, if worn. If eye irritation persists: Get medical attention.	
Skin contact:	Flush thoroughly with water and cleanse with soap and water. Remove contaminated clothes and wash before reuse. If skin irritation persists, call a physician.	
Inhalation:	Remove exposed person to fresh air for 20 minutes. Consult a physician/poison center if individual declines or if symptoms persist.	
Ingestion:	Rinse mouth. Do not induce vomiting. Drink large amounts of water. Get medical attention if symptoms occur.	
Most important symptoms and effects: May cause skin and eye irritation. May cause nausea, vomiting, stomach ache, and diarrhea.		
Note to physicians: Treatment is symptomatic and supportive.		
5. FIRE FIGHTING MEASURES		
<b><u>Suitable Extinguishing Media</u></b> CO2, dry chemical, foam and water fog		
<b><u>Unsuitable Extinguishing Media</u></b> Not determined.		
<b><u>Specific Hazards Arising from the Chemical</u></b> Product is not flammable or combustible.		
<b><u>Protective equipment and precautions for firefighters</u></b> As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.		
6. ACCIDENTAL RELEASE MEASURES		
Personal Precautions:	Wear protective clothing as described in Section 8 of this safety data sheet. Ventilate affected area.	
Environmental Precautions:	See section 12 for additional Ecological Information.	
Methods of Containment:	Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an absorbent material.	
Method for Clean-up:	Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS.	

## 7. HANDLING AND STORAGE

Handling:	Handle in accordance with good industrial hygiene and safety practices. Use personal protection recommended in Section 8. Keep out of reach of children. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin after handling. Do not breathe vapors or spray mist.
Storage:	Store locked up.
Incompatible Materials:	Strong acids. Oxidizers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:	Not determined.
Appropriate engineering controls:	Adequate ventilation, Safety showers, Eye wash stations.
Individual protection measures:	
Eye/Face Protection:	Use safety glasses or goggles.
Skin and Body Protection:	Chemical impervious gloves. Boots, aprons needed for protection against spill / splashes.
Respiratory Protection:	Ensure adequate ventilation, especially in confined areas.
General Hygiene:	Avoid contact with skin, eyes, and clothing. Wash hands after handling. Remove any contaminated clothing. If needed take first aid action shown in section 4 of this SDS.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Odor:	Surfactant
Appearance:	Pink liquid	Odor Threshold:	Not determined
Color:	Pink		

Property	Values	Property	Values
pH	11.5	Specific Gravity	1.1
Melting point/Freezing point	Not Determined	Water solubility	100%
Boiling point/Boiling Range	Not Determined	Solubility in other solvents	Not Determined
Flash Point	Will Not Burn	Partition Coefficient	Not Determined
Evaporation Rate	Not Determined	Auto-ignition Temperature	Not Applicable
Flammability (Solid, Gas)	Not Applicable	Decomposition Temperature	Not Determined
Upper Flammability Limits	Not Applicable	Kinematic Viscosity	Not Determined
Lower Flammability Limits	Not Applicable	Dynamic Viscosity	6.0 cps
Vapor Pressure	Not Determined	Explosive Properties	Not Applicable
Vapor Density	Not Determined	Oxidizing Properties	Not Determined

## 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.  
Chemical Stability: Stable under recommended storage conditions.  
Possibility of Hazardous Reactions: None under normal processing.  
Polymerization: Hazardous polymerization does not occur.  
Conditions to Avoid: Keep out of reach of children.  
Incompatible Chemicals: Strong acids. Oxidizers.  
Hazardous Decomposition Products: Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	Causes serious eye damage.
Skin Contact	May be harmful in contact with skin.
Inhalation	Not likely to be a problem.
Ingestion	May be harmful if swallowed.

Component Information

	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Metasilicate 6834-92-0	1300 mg/kg (Rat)	>5000 mg/kg (Rabbit)	>2.06 g/m <sup>3</sup>

Information on physical, chemical and toxicological effects

Symptoms: Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure.

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Sodium Metasilicate 6834-92-0		210: 96 h Brachydanio rerio mg/L LC50		1700: 48 h Daphnia magna mg/L EC50
<u>Persistence /Degradability</u> Not determined.	<u>Bioaccumulation</u> Not Determined.	<u>Mobility</u> Not Determined.	<u>Other Adverse Effects</u> Not Determined.	

## 13. DISPOSAL CONSIDERATIONS

Water Treatment Methods

Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORTATION INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated.

IATA Not regulated.

IMDG Not regulated.

## 15. REGULATORY INFORMATION

International Inventories

Not determined

US FEDERALSARA 313

Not determined

U.S. State RegulationsU.S.State Right-to Know Regulations

Not determined

## 16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	B

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Revision Note: Periodic Review

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

End of Safety Data Sheet