

## SAFETY DATA SHEET

IB47306, IB47307, & IB47308 – RNASTABIL SOLUTION



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Issuing Date: 18-Oct-2023

Revision Date: -

Rev. 0

### 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

**Product Name:** RNastabil Solution  
**Product Code:** IB47306, IB47307, & IB47308  
**Recommend Use:** For further manufacturing use only  
Not for human or animal drug use  
**Company:** IBI SCIENTIFIC  
7445 Chavenelle Road  
Dubuque, IA 52002  
**Emergency Tele. Number:** 3E Company (Acct# 9027) 1-800-451-8346 / (001) 760-602-8703  
**Company Tele. Number:** 1-800-253-4942 / (001) 563-690-0484  
**E-Mail Address:** [info@ibisci.com](mailto:info@ibisci.com)

### 2. HAZARDOUS IDENTIFICATION

#### GHS – Classification

**Classification:** Acute Toxicity (Oral) 4  
**Signal Word:** Warning



**Hazard Statements:** H302-Harmful if swallowed \* H402-Harmful for aquatic life  
**Precautionary Statements:** P301+P312-IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell \* P330-Rinse mouth \* P270-Do not eat, drink or smoke when using this product \* P264-Wash hands thoroughly after handling  
**Other Hazards:** Other hazards not contributing to the classification: None  
**Unknown Acute Toxicity:** No data available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Name:** Ammonium Sulfate  
**EC No.:** Not Available  
**REACH Reg. No.:** Not Available  
**CAS No.:** 7783-20-2  
**Weight %:** N/A

**Classification:** H302, H402

#### 4. FIRST AID MEASURES

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

**Skin Contact:** Wash off immediately with soap and plenty of water. Obtain medical attention.

**Inhalation:** Move to fresh air. If breathing becomes difficult, give oxygen. Obtain medical attention.

**Ingestion:** Do not induce vomiting. Drink plenty of water. Get medical attention. If possible, drink milk afterwards.

**Notes to Physician:** Treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Not flammable

**Flash Point:** 198 °C / 388.4 °F

**Suitable Extinguishing Media:** Dry chemical, CO<sub>2</sub>, water spray, or regular foam

**Hazardous Combustion Products:** No information available

**Explosion Data**

Sensitivity to Mechanical Impact: No information available

Sensitivity to Static Discharge: No information available

**Protective Equip. & Precautions for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Ensure adequate ventilation.

**Methods for Containment:** Prevent further leakage or spillage, if safe to do so.

**Methods for Cleaning Up:** Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes. Do not breath dust.

**Storage:** Keep container tightly closed in a dry, cool, and well-ventilated place.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Measures:** None under normal use conditions.

**Personal Protective Equipment**

Eye/Face Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.

Skin & Body Protection: Wear impervious gloves and clothing to prevent skin exposure.

Respiratory Protection: No protective equipment is needed under normal use conditions.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid

**Odor:** N/A

**Odor Threshold:** No information available

**Solubility:** Insoluble in water

**Decomposition Temp. °C:** No information available

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<b>Initial Boiling Point:</b>	No information available
<b>Physical State:</b>	Liquid
<b>pH:</b>	5.0 – 5.2
<b>Flash Point:</b>	No data available
<b>Autoignition Temp. °C:</b>	No data available
<b>Boiling Point/Range:</b>	No data available
<b>Melting Point/Range:</b>	No data available
<b>Flammability (solid, gas):</b>	No information available
<b>Flammability Limits (Air):</b>	<u>Upper</u> -No data available * <u>Lower</u> -No data available
<b>Evaporation Rate:</b>	Not applicable
<b>Vapor Pressure:</b>	No information available
<b>Vapor Density:</b>	Not applicable
<b>Specific Gravity:</b>	No data available
<b>Partition Coefficient (n-octanol/water):</b>	No data available
<b>Viscosity:</b>	No information available

### 10. STABILITY AND REACTIVITY

<b>Reactive Hazard:</b>	Contact with acids or bleach liberates toxic gases. DO NOT ADD acids or bleach to any liquid waters containing this product.
<b>Stability:</b>	Stable under normal conditions
<b>Incompatible Products:</b>	Sodium hypochlorite
<b>Conditions to Avoid:</b>	Sodium hypochlorite
<b>Hazardous Decomposition Products:</b>	Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> )
<b>Hazardous Polymerization:</b>	No information available
<b>Hazardous Reactions:</b>	Sodium hypochlorite

### 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	
<b>Toxicologically Synergistic Products:</b>	No information available
<b>Irritation:</b>	Eyes and skin
<b>Respiratory or skin sensitization:</b>	Not classified
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive Toxicity:</b>	Not classified
<b>Specific Target Organ Toxicity (Single):</b>	Carbon Monoxide (CO), Carbon dioxide (CO <sub>2</sub> )
<b>Specific Target Organ Toxicity (Repeated):</b>	Hazardous polymerization does not occur.
<b>Aspiration Hazard:</b>	None under normal processing.
<b>Symptoms/effects, both acute and delayed:</b>	No information available
<b>Endocrine Disrupter Information:</b>	No information available
<b>Other Adverse Effects:</b>	The toxicological properties have not been fully investigated.

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	
Effects:	R52 – Harmful to aquatic organisms
Acute aquatic toxicity:	Category 3
Persistence and Degradability:	Not established
Bioaccumulation/ Accumulation:	Potential
Mobility:	No additional information available

**13. DISPOSAL CONSIDERATIONS**

**Water Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

**14. TRANSPORT INFORMATION**

**IATA**  
Not regulated

**US DOT**  
Not regulated

**TDG**  
Not regulated

**IMDG/IMO**  
Not regulated

**15. REGULATORY INFORMATION**

All of the components in the product are on the following international inventory lists: X=listed

Component: Ammonium Sulfate

TSCA	X
DSL	X
NDSL	-
EINECS	X
ELINCS	-
NLP	-
PICCS	X
ENCS	X
AICS	X
IECSC	X
KECL	X

**U.S. Federal Regulations**

**SARA 313** Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical/chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act** This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**Clean Air Act** Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61). This product does not contain any substances which are listed hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act.

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### U.S. State Regulations

**California Proposition 65:** This product does not contain any Proposition 65 chemicals.

### **U.S. State Right-to-Know Regulations:**

Massachusetts:	Yes
New Jersey:	Yes
Pennsylvania:	Yes
Illinois:	No
Rhode Island:	Yes

### **U.S. Department of Transportation**

Reportable Quantity (RQ):	N
DOT Marine Pollutant:	N
DOT Severe Marine Pollutant:	N

**U.S. Department of Homeland Security** This product does not contain any DHS chemicals.

### International Regulations

**Mexico:** No information available

## **16. OTHER INFORMATION**

**Issuing Date:** 18-Oct-2023

**Revision Date:** -

**Revision Note:** Not applicable

**Recommended Restrictions:** No information available

**Disclaimer:** The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release; and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the test.

**End of Safety Data Sheet**