

SAFETY DATA SHEET



www.ibisci.com

Date of issue: 05/02/2013

Revision Date: 01/04/2016

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Name: IBI Isolate

Product number: IB47600, IB47601, IB47602

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory research use only.

1.3. Details of the supplier of the safety data sheet

Company: IBI Scientific, 9861 Kapp CT Peosta, IA 52068 USA

Telephone: 563-690-0484

Fax: 563-690-0490

E-mail address: info@ibisci.com

1.4. Emergency telephone number

Emergency phone #: 911, check local emergency contact information.

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Acute oral toxicity: category 3

Acute dermal toxicity: category 3

Acute inhalation toxicity: category 2

Skin corrosion/irritation: category 1B

Serious eye damage/eye irritation: category 1

Specific target organ systemic toxicity (repeated exposure): category 2

Mutagenicity: mutagenetic category 2

2.2. Label elements

GHS labelling

Hazard pictograms:



Signal word: Danger

Hazard statements:

H301 – Toxic if swallowed.

H311 – Toxic in contact with skin.

H331 – Toxic if inhaled.

H314 – Causes severe skin burns and eye damage.

H335 – May cause respiratory irritation.

H341 – Suspected of causing genetic defects.

H373 – May cause damage to organs through prolonged or repeated exposure.

H412 – Harmful to aquatic life with long lasting effects.

Precautionary statements:

P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.

P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

Other hazards not contributing to the classification: None

2.4. Unknown acute toxicity (GHS)

No data available.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Name	Product Identifier	%	GHS Classification
Guanidine Thiocyanate	CAS-No. 593-84-0	5-10%	H301, H311, H331, H314, H335 H341,
Phenol	CAS-No. 108-95-2	25-50%	H373, H412

SECTION 4. First aid measures

4.1 Description of First aid measures

Inhalation: If product is inhaled, move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately and obtain medical attention.

Eye Contact: If product enters eyes, wash eyes gently under running water for 15 minutes or longer, making sure that the eyelids are held open. If pain or irritation occur, obtain medical attention.

Skin Contact: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If pain or irritation occur, obtain medical attention.

Ingestion: If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 Toxicological Information for more detailed health information. Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

No specific medical attention or treatment required.

SECTION 5. Fire Fighting Measures

Flammable Properties: Nonflammable aqueous solution.

5.1 Extinguishing Media

In case of fire use carbon dioxide (CO₂), dry chemical, water spray or foam. For large fires use extinguishing media suitable for surrounding fire.

5.2 Special hazards arising from the substance or mixture. Special Fire and Explosion Hazards

None

SECTION 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective gloves, protective clothing and eye/face protection. Observe general safety guidelines for protection; avoid eye and skin contact.

6.2 Environmental Precautions

Contain spill to prevent migration. Do not allow the undiluted product to enter sewers/surface or ground water. Dispose of contents/container in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.

6.4 Reference to other sections Refer sections 8 and 13

SECTION 7. Handling and Storage

7.1 Precautions for safe handling

Use good laboratory procedures; avoid eye and skin contact.

7.2 Conditions for safe storage, including any incompatibilities

Use appropriate personal protection measures. Keep containers tightly closed in a cool, well-ventilated place. Avoid any contact with the liquid. Avoid the formation of aerosols. Prevent contact with skin, eyes and clothing. Remove all sources of ignition.

Storage: 25°C for 2 weeks, 4°C for 3 months, -20°C for 24 months. Store away from strong acids, strong bases, strong oxidizers and incompatible materials (section 10).

7.3 Specific end uses

No further relevant information available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure

Personal protective equipment: Avoid all unnecessary exposure

Hand protection: Wear protective gloves

Eye protection: Chemical goggles or safety glasses

Skin and body protection: Wear suitable protective clothing

Respiratory protection: Wear appropriate mask

Other information: Do not eat, drink or smoke during use

SECTION 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Form: Liquid

Color: pink translucent

Odor: medicinal, sweet, tar like

Solubility in/miscibility with water: Fully miscible

Partition coefficient: n-octanol/water: Not determined

Freezing Point: Not determined

Auto-ignition Temp.: Not applicable
Boiling Point: Not determined
Decomposition Temperature: Not determined
Flash Point: Not applicable
Percent Volatiles: Not applicable
Evaporation Rate: Not determined
Vapor Pressure: Not determined
Flammability (Solid, Gas): Not applicable
Viscosity: Not determined
Flammability Limits: Not applicable
Explosive Properties: Not applicable
Vapor Density: Not determined
Oxidizing Properties: Not applicable
Odor Threshold: Not applicable

9.2 Other Information

No further relevant information available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

Toxic gases, sulphur oxides, hydrogen cyanide (hydrocyanic acid), carbon oxides, nitrogen oxides.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Acute Toxicity

Phenol: LD50 (oral, rat/mouse) = 317 mg/kg (rat), LC50 (inhalation, rat/mouse) = 316 mg/m³ (rat).

Guanidine isothiocyanate: LD50 (oral, rat/mouse) = 500 mg/kg (rat), LD50 (dermal, rat/rabbit) = 200 mg/kg, LC50 (inhalation, rat/mouse) = 316 mg/m³ (rat).

SECTION 12. Ecological information

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

The preparation is inherently biodegradable.

12.3. Bioaccumulative potential

Not established.

12.4. Mobility in soil

No additional information available.

12.5. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Dispose in a safe manner in accordance with local/national regulations. Ecology – waste materials: Avoid release to the environment.

SECTION 14. Transport information

In accordance with DOT

14.1. UN number

UN1760

14.2. UN proper shipping name

Not applicable.

14.3. Additional information

IATA: Corrosive liquid, n.o.s. (guanidine thiocyanate-phenol solution), Hazard class 8, Packing group II, ERG Code 153.

SECTION 15. Regulatory information

15.1. US Federal regulations

Phenol CAS-No 108-95-2

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA 313

Phenol CAS-No 108-95-2, 25-50%, threshold value = 1.0

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs)

Phenol CAS-No 108-95-2, 25-50%, HAPS data = present

15.2. International regulations

EU-Regulations

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

WHMIS hazard class: D1A very toxic materials, E corrosive material.

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified.

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified.

SECTION 16. Other information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. IBI Scientific and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.