

This SDS complies with the US OSHA HCS 2012.

1. Product and Company Identification

Product Code: X006040
Product Name: Fructo Solution A
Company Name: CalibreScientific US, Inc. **Phone Number:** 1 (360)260-2779
 1311 SE Cardinal Ct Suite 170
 Vancouver, WA 98683
Web site address: Alphatecsystems.com
Email address: Regulatory@calibrescientific.com
Emergency Contact: INFOTRAC
 International 00-1- (352)323-3500
Information: North America 1 (800)535-5053
Intended Use: For Laboratory Use Only

Product List

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2
Specific Target Organ Toxicity (single exposure), Category 2
Aquatic Toxicity (Acute), Category 3
Aquatic Toxicity (Chronic), Category 3



GHS Signal Word: **Warning**
GHS Hazard Phrases: H319 - Causes serious eye irritation.
 H371 - May cause damage to organs - Gastrointestinal tract..
 H402 - Harmful to aquatic life.
 H412 - Harmful to aquatic life with long lasting effects.
GHS Precautionary Phrases: P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
GHS Response Phrases: P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+311 - If exposed or concerned: Call a POISON CENTER/Doctor/...
 P337+313 - If eye irritation persists, get medical advice/attention.
GHS Storage and Disposal Phrases: P405 - Store locked up.
 P501 - Dispose of contents/container to ...

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7732-18-5	Water	>98.0 %
7446-20-0	Zinc sulfate heptahydrate	<=1.8 %

4. First Aid Measures

Emergency and First Aid

Procedures:

In Case of Skin Contact: Wash with plenty of soap and water.

In Case of Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

In Case of Ingestion: Do NOT induce vomiting. Wash mouth out with water.

5. Fire Fighting Measures

Flash Point:

Explosive Limits: LEL: UEL:

Autoignition Pt:

Suitable Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Fire Fighting Instructions:

Flammable Properties and

Hazards:

Hazardous Combustion

Products:

6. Accidental Release Measures

Environmental Precautions: Dispose of product in accordance with all federal, state, and local regulations. Do not empty into drains.

Steps To Be Taken In Case Material Is Released Or Spilled: Control runoff and isolate discharged material for proper disposal.

7. Handling and Storage

Precautions To Be Taken in Handling: Good laboratory practices, safety procedures, and normal precautions in handling and storage of all products are recommended to provide adequate protection to the skilled laboratory professional.

Precautions To Be Taken in Storing: Store in a tightly closed container. Store away from oxidizers. Store in cool, dry area.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7732-18-5	Water			
7446-20-0	Zinc sulfate heptahydrate			

Respiratory Equipment (Specify Type): Good laboratory practices should be followed which includes preventing eye contact and minimizing skin contact and inhalation.

Eye Protection:

Protective Gloves:

Other Protective Clothing:

Engineering Controls (Ventilation etc.):

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Appearance: colorless.
Odor: Odorless.

pH:

Melting Point:

Boiling Point: / 0.0 mm Hg

Flash Point:

Evaporation Rate:

Flammability (solid, gas):

Explosive Limits: LEL: UEL:

Vapor Pressure:

Vapor Density (vs. Air=1):

Specific Gravity (Water=1):

Solubility in Water:

Saturated Vapor Concentration:

Octanol/Water Partition Coefficient:

Autoignition Pt:

Decomposition Temperature:

Viscosity:

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability:

Incompatibility - Materials To Avoid: Strong acids, Strong oxidants, Strong bases.

Hazardous Decomposition or Byproducts:

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid -

Hazardous Reactions:

11. Toxicological Information

Toxicological Information:

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information: Toxic to aquatic life.

13. Disposal Considerations

Waste Disposal Method: Dispose of product in accordance with all federal, state, and local regulations.

14. Transport Information

GHS Classification: Serious Eye Damage/Eye Irritation, Category 2 - Warning! Causes serious eye irritation
Specific Target Organ Toxicity (single exposure), Category 2 - Warning! May cause damage to organs {<target organs>}
Aquatic Toxicity (Acute), Category 3 - Harmful to aquatic life
Aquatic Toxicity (Chronic), Category 3 - Harmful to aquatic life with long lasting effects

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: N/A.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: N/A.
UN Number:
Hazard Class:

TDG Classification:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7732-18-5	Water	No	No	No
7446-20-0	Zinc sulfate heptahydrate	No	No	Yes-Cat. N982

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

7732-18-5	Water	CA PROP.65: No; MA Oil/HazMat: No; NJ EHS: No; PA HSL: No
7446-20-0	Zinc sulfate heptahydrate	CA PROP.65: No; MA Oil/HazMat: Yes - Cat.; NJ EHS: Yes - Cat.; PA HSL: No

