



Bioscreen Inc.
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Material Safety Data Sheet

Bioscreen Inc. supplies Material Safety Data Sheets for products you have purchased. All information is offered gratuitously and in good faith as accurate, but is furnished without guaranty. No claim is made that the information is all-inclusive, and it, should be used only as a guide. Bioscreen shall not be held liable for any damage resulting from handling or from contact with the product. This information is for internal use only.

Prepared 2/20/93

Section I: Product Identification

SOLUTION A of the FructoScreen[®] Semen Fructose Test

Section II: Hazardous Ingredients

Component	Weight Percent	CAS Number
Water	95 - 99	7732-18-5
Zinc sulfate	<1	7446-20-0

Section III: Physical Data

Appearance and Odor: Clear, colorless solution; Odorless

Boiling Point: >100°C

Vapor Pressure: NA

Vapor Density: about 0.6

Solubility in Water: Complete

Specific Gravity: NA

Evaporation Rate: NA

Volatile Fraction by Weight: about 98%

Section IV: Fire and Explosion Hazard Data

Flash Point: None, noncombustible

Extinguishing Media: Use appropriate agent for surrounding fire.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: None

Section V: Reactivity Data

Incompatibilities: Strong oxidizing agents

Hazardous Polymerization: None

Section VI: Health Hazard Data

Effects of Overexposure: Not established

Inhalation: Low hazard for recommended handling.

Eyes: Causes eye irritation.

Skin: Causes skin irritation.

Ingestion: Harmful if swallowed.

First Aid Procedures:

Inhalation: If symptomatic, remove to fresh air. Get medical attention if symptoms persist.

Eyes: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin: Wash with soap and copious amounts of water after each contact. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water provided person is conscious. Seek immediate medical attention.

Section VII: Precautions for Safe Handling and Use

Ventilation: Good ventilation (typically 10 air changes per hour) should be used.

Eye/Skin Protection: Good industrial hygiene practice should be followed which includes preventing eye contact and minimizing skin contact and inhalation.

Safety glasses with side shields are recommended in industrial operations involving chemicals. If prolonged or repeated skin contact is necessary, impervious gloves or other protection may be required.

Spill, Leak and Disposal Procedures: Discharge, treatment, or disposal may be subject to national, state, or local laws. Precipitate the material as the sulfide, adjusting the pH of the solution to 7 to complete precipitation. Filter the insolubles and dispose of them as hazardous waste. Flush solution down drain. Otherwise, absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.



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Section I: Product Identification

SOLUTION B of the FructoScreen[®] Semen Fructose Test

Section II: Hazardous Ingredients

Component	Weight Percent	CAS Number
Water	95 - 99	7732-18-5
Sodium hydroxide	<1	1310-73-2

Section III: Physical Data

Appearance and Odor: Clear, colorless solution; Odorless

Boiling Point: >100°C

Vapor Pressure: NA

Vapor Density: <1

Solubility in Water: Complete

Specific Gravity: NA

Evaporation Rate: NA

Volatile Fraction by Weight: about 98%

Section IV: Fire and Explosion Hazard Data

Flash Point: None, noncombustible

Extinguishing Media: Dry chemical powder.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: Emits toxic fumes under fire conditions.

Section V: Reactivity Data

Incompatibilities: Strong acids.
Hazardous Polymerization: None

Section VI: Health Hazard Data

Effects of Overexposure: Not established

Inhalation: Harmful if inhaled.
Eyes: Harmful to eyes.
Skin: Harmful to skin.
Ingestion: Harmful if swallowed.

First Aid Procedures:

Inhalation: If symptomatic, remove to fresh air. Get medical attention if symptoms persist.
Eyes: Any material that contacts the eye should be washed out immediately with copious amounts of water for at least 15 minutes. Get medical attention if symptoms occur.
Skin: Wash with copious amounts of water after each contact. Get medical attention if symptoms occur.
Ingestion: Seek immediate medical attention.

Section VII: Precautions for Safe Handling and Use

Ventilation: Good ventilation (typically 10 air changes per hour) should be used.
Eye/Skin Protection: Good industrial hygiene practice should be followed which includes preventing eye contact and minimizing skin contact and inhalation. Safety glasses with side shields are recommended in industrial operations involving chemicals. If prolonged or repeated skin contact is necessary, impervious gloves or other protection may be required.
Spill, Leak and Disposal Procedures: Discharge, treatment, or disposal may be subject to national, state, or local laws. Flush to sewer with large amounts of water. Clean surface thoroughly to remove residual contamination.



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Section I: Product Identification

FRUCTOSE STANDARD of the FructoScreen[®] Semen Fructose Test

Section II: Hazardous Ingredients

Component	Weight Percent	CAS Number
Water	95 -99	7732-18-5
Fructose	<1	57-48-7
Sodium azide	<1	26628-22-8

Section III: Physical Data

Appearance and Odor: Clear, colorless solution; odorless

Boiling Point: >100°C

Vapor Pressure: NA

Vapor Density: about 0.6

Solubility in Water: Complete

Specific Gravity: NA

Evaporation Rate: NA

Volatile Fraction by Weight: about 98%

Section IV: Fire and Explosion Hazard Data

Flash Point: None, noncombustible

Extinguishing Media: Use appropriate agent for surrounding fire.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: None

Section V: Reactivity Data

Incompatibilities: Metals

Hazardous Polymerization: None

Section VI: Health Hazard Data

Effects of Overexposure: Not established

Inhalation: Low hazard for recommended handling.

Eyes: Nonspecific hazard known. May cause transient irritation.

Skin: Low hazard for recommended handling. Ingestion: Harmful if swallowed.

First Aid Procedures:

Inhalation: If symptomatic, remove to fresh air. Get medical attention if symptoms persist.

Eyes: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin: Wash after each contact. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water provided person is conscious. Seek immediate medical attention.

Section VII: Precautions for Safe Handling and Use

Ventilation: Good ventilation (typically 10 air changes per hour) should be used.

Eye/Skin Protection: Good industrial hygiene practice should be followed which includes preventing eye contact and minimizing skin contact and inhalation. Safety glasses with side shields are recommended in industrial operations involving chemicals. If prolonged or repeated skin contact is necessary, impervious gloves or other protection may be required.

Spill, Leak and Disposal Procedures: Discharge, treatment, or disposal may be subject to national, state, or local laws. Flush to sewer with large amounts of water. otherwise, absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

Section VIII: Special Precautions and Comments

To prevent buildup of explosive metal azides in lead and copper plumbing, product should be discarded into sewerage only if diluted and flushed with large volumes of water. Use copper-free and lead-free drain systems where possible, and flush occasionally with 10% sodium hydroxide.



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Section I: Product Identification

INDOLE of the FructoScreen[®] Semen Fructose Test

Section II: Hazardous Ingredients

Component	Weight Percent	CAS Number
water	95 - 99	7732-18-5
Indole	<1	120-72-9
Benzoic acid	<1	65-85-09

Section III: Physical Data

Appearance and odor: Clear, colorless solution; Stench-like odor

Boiling Point: >100°C

Vapor Pressure: NA

Vapor Density: about 0.6

Solubility in Water: Complete

Specific Gravity: NA

Evaporation Rate: NA

Volatile Fraction by Weight: about 98%

Section IV: Fire and Explosion Hazard Data

Flash Point: None, noncombustible

Extinguishing Media: Use appropriate agent for surrounding fire.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: None

Section V: Reactivity Data

Incompatibilities: Strong oxidizing agents, strong bases, strong reducing agents; iron and iron salts; light and air sensitive.

Hazardous Polymerization: None

Section VI: Health Hazard Data

Effects of overexposure: Not established

Inhalation: Low hazard for recommended handling. May cause allergic respiratory reaction.

Eyes: May cause irritation.

Skin: Low hazard for recommended handling. May cause allergic skin reactions.

Ingestion: Expected to be a low ingestion hazard.

First Aid Procedures:

Inhalation: If symptomatic, remove to fresh air. Get medical attention if symptoms persist.

Eyes: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin: Wash after each contact. Get medical attention if symptoms occur.

Ingestion: Wash out mouth with water provided person is conscious. Seek immediate medical attention.

Section VII: Precautions for Safe Handling and Use

Ventilation: Good ventilation (typically 10 air changes per hour) should be used.

Eye/Skin Protection: Good industrial hygiene practice should be followed which includes preventing eye contact and minimizing skin contact and inhalation. Safety glasses with side shields are recommended in industrial operations involving chemicals. If prolonged or repeated skin contact is necessary, impervious gloves or other protection may be required.

Spill, Leak and Disposal Procedures: Discharge, treatment, or disposal may be subject to national, state, or local laws. Flush to sewer with copious amounts of water. Clean surface thoroughly to remove residual contamination.