

SCOPESCREEN

Material Safety Data Sheet

Disclaimer: Scopescreen Inc., formerly known as BIOSCREEN, 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 guarantee. No claim is made that the information is all-inclusive, and it should be used only as a guide. Scopescreen 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 7/1/94, v2 updated 1/11/20; v3 1/1120

Section I: Product Identification

SOLUTION A of the FructoScreen® Semen Fructose Test

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER
Water	95-99	7732-18-5
Zinc Sulfate	<1	7446-20-0

Section III: Physical Data

Feature	Description
Appearance and Odour	Clear colorless solution; odorless
Boiling Point	<100oC
Vapor Pressure	N/A
Vapor Density	About 0.6
Solubility in Water	Complete
Specific Gravity	N/A
Evaporation Rate	N/A
Volatile Fraction by Weight	About 98%

Section IV: Fire and Explosion Hazard Data

Feature	Description
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

Feature	Description
Incompatibilities	Strong oxidizing agents
Hazardous Polymerization	None

Section VI: Health Hazard Data

Feature	Description	First Aid Procedure
Effects of Overexposure	Not established.	
Inhalation	Low hazard for recommended handling.	If symptomatic, remove to fresh air. Get medical attention if symptoms persist
Eyes	Causes eye irritation.	Any material that contacts the eye should be washed out immediately. Get medical attention if symptoms occur.
Skin	Causes skin irritation.	Wash with soap and copious amounts of water after each contact. Get medical attention if symptoms occur.
Ingestion	Harmful if swallowed.	Wash out mouth with water provided person is conscious. Seek immediate medical attention.

Section VII: Precautions for Safe Handling and Use

Feature	Description
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.
Storage	
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.

/END SOLUTION A SECTION

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Section I: Product Identification

SOLUTION B of the FructoScreen® Semen Fructose Test

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER
Water	95-99	7732-18-5
Sodium Hydroxide	<1	1310-73-2

Section III: Physical Data

Feature	Description
Appearance and Odour	Clear colorless solution; odorless
Boiling Point	>100oC
Vapor Pressure	N/A
Vapor Density	<1
Solubility in Water	Complete
Specific Gravity	N/A
Evaporation Rate	N/A
Volatile Fraction by Weight	About 98%

Section IV: Fire and Explosion Hazard Data

Feature	Description
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

Feature	Description
Incompatibilities	Strong acids.
Hazardous polymerisation	None

Section VI: Health Hazard Data

Feature	Description	First Aid Procedure
Effects of Overexposure	Not established	
Inhalation	Harmful if inhaled	If swallowed, remove to fresh air. Get medical attention if symptoms persist
Eyes	Harmful to eyes	Any material that contacts the eye should be washed out immediately with copious amounts of water. Get medical attention if symptoms occur.
Skin	Harmful to skin	Wash with copious amounts of water after each contact. Get medical attention if symptoms occur.
Ingestion	Harmful if swallowed	Seek immediate medical attention.

Section VII: Precautions for Safe Handling and Use

Feature	Description
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.

/END SOLUTION B SECTION

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Section I: Product Identification

FRUCTOSE STANDARD of the CitricScreen® Semen Fructose Test

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER
Water	95-99	7732-18-5
Fructose	<1	57-48-7
Sodium azide	<0.1	26628-22-8

Section III: Physical Data

Feature	Description
Appearance and Odour	Clear colorless solution; odorless
Boiling Point	>100oC
Vapor Pressure	N/A
Vapor Density	About 0.6
Solubility in Water	Complete
Specific Gravity	N/A
Evaporation Rate	N/A
Volatile Fraction by Weight	About 98%

Section IV: Fire and Explosion Hazard Data

Feature	Description
Flash Point	None, non-combustible
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

Feature	Description
Incompatibilities	Metals
Hazardous polymerization	None

Section VI: Health Hazard Data

Feature	Description	First Aid Procedure
Effects of Overexposure		Not established
Inhalation	Low hazard for recommended handling.	If symptomatic, remove to fresh air. Get medical attention if symptoms persist.
Eyes	Nonspecific hazard known. May cause transient irritation.	Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.
Skin	Low hazard for recommended handling.	Wash after each contact. Get medical attention if symptoms occur.
Ingestion	Harmful if swallowed	Wash out mouth with water provided person is conscious. Seek immediate medical attention.

Section VII: Precautions for Safe Handling and Use

Feature	Description
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. 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.

/END FRUCTOSE STANDARD SECTION

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Section I: Product Identification

INDOLE of the CitricScreen® Semen Fructose Test

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER
Water	95-99	7732-18-5
Indole	<1	12-72-9
Benzolic acid	<1	65-85-09

Section III: Physical Data

Feature	Description
Appearance and Odour	Clear colorless solution; stench-like door
Boiling Point	>100oC
Vapor Pressure	N/A
Vapor Density	About 0.6
Solubility in Water	Complete
Specific Gravity	N/A
Evaporation Rate	N/A
Volatile Fraction by Weight	About 98%

Section IV: Fire and Explosion Hazard Data

Feature	Description
Flash Point	None, non-combustible
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

Feature	Description
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

Feature	Description	First Aid Procedure
Effects of Overexposure	Not established	
Inhalation	Low hazard for recommended handling. May cause allergic respiratory reaction.	If symptomatic, remove to fresh air. Get medical attention if symptoms persist.
Eyes	May cause irritation.	Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.
Skin	Low hazard for recommended handling. May cause allergic skin reactions	Wash after each contact. Get medical attention if symptoms occur.
Ingestion	Expected to be a low ingestion hazard.	Wash out mouth with water provided person is conscious. Seek immediate medical attention.

Section VII: Precautions for Safe Handling and Use

Feature	Description
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.erial, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

/END INDOLE SECTION

msds-fructoscreen

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