

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

ALCOHOL of the CitricScreen® Semen Citric Acid Test

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER	UN No.
Isopropanol	100	67-63-0	1219

Section III: Physical Data

Feature	Description
Appearance and Odour	Clear colorless solution
Boiling Point	82.4oC
Vapor Pressure	33mm @ 20oC
Vapor Density	2.1
Solubility in Water	N/A
Specific Gravity	0.785
Evaporation Rate	N/A
Volatile Fraction by Weight	About 100%

Section IV: Fire and Explosion Hazard Data

Feature	Description
Flash Point	60oF
Autoignition Temperature	860oF
Extinguishing Media	Carbon dioxide, dry chemical powder or appropriate foam.
Special Fire Fighting Procedures	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
Unusual Fire and Explosion Hazards	Vapor may travel considerable distance to source of ignition and flash back

Section V: Reactivity Data

Feature	Description
Incompatibilities	Oxidizing agents, acids, acid anhydrides, halogens, aluminum.
Hazardous Polymerization	None

Section VI: Health Hazard Data

Feature	Description	First Aid Procedure
Effects of Overexposure	May be harmful if inhaled, swallowed, or absorbed through skin.	
Inhalation	Irritating to mucous membranes and upper respiratory tract.	If symptomatic, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms persist
Eyes	May cause severe eye irritation.	Flush with copious amounts of water for at least 15 minutes. Get medical attention if symptoms occur.
Skin	May cause skin irritation. Prolonged or repeated exposure causes defatting and dermatitis.	Immediately wash skin with soap and copious amounts of water. Get medical attention if symptoms occur.
Ingestion	May be harmful if swallowed. Can cause central nervous system depression.	Wash out mouth with water provided person is conscious. Seek immediate medical attention.

Section VII: Precautions for Safe Handling and Use

Feature	Description
Ventilation	Mechanical exhaust required.
Eye/Skin Protection	Wear safety glasses with side shields. Wear rubber gloves. Do not get in eyes, on skin, on clothing.
Storage	Store in a cool dry place. Keep away from heat, sparks, and open flame.
Spill, Leak and Disposal Procedures	Shut off all sources of ignition. Absorb on sand or vermiculite and place in closed containers for disposal. Discharge, treatment, or disposal may be subject to national, state or local laws.

/END ALCOHOL SECTION

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Section I: Product Identification

FERRIC CHLORIDE of the CitricScreen® Semen Citric Acid Test

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER
Ferric Chloride	<1	10025-77-1
Hydrochloric Acid	<1	7647-01-0
Water	95-99	7732-18-5

Section III: Physical Data

Feature	Description
Appearance and Odour	Clear odorless solution; odorless
Boiling Point	100oC
Vapor Pressure	N/A
Vapor Density	N/A
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 oxidising agents
Hazardous polymerisation	None

Section VI: Health Hazard Data

Feature	Description	First Aid Procedure
Effects of Overexposure	Not established	
Inhalation	Low hazard for recommended handling	If swallowed, 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 with water. 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.
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. n a container for chemical waste. Ventilate area and clean surface thoroughly to remove residual contamination.

/END FERRIC CHLORIDE SECTION

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Section I: Product Identification

CITRIC ACID STANDARD of the CitricScreen® Semen Citric Acid Test

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER
Water	95-99	7732-18-5
Citric Acid	<1	5949-29-1

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	Strong oxidising 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 with water. 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.
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.

This product is readily absorbed through the skin. Wash thoroughly after handling. The chemical, physical and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

/END CITRIC ACID SECTION