

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

WASH of the AcroScreen™ Acrosin Activity assay

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER
Water	95-99	7732-18-5
Latex Beads	<1	N/A
Sodium Azide	<0.1	26628-22-8
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	About 0.6
Solubility in Water	Complete
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	No specific 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	Drink 1 - 2 glasses of water. 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. 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.

/END WASH SECTION

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Section I: Product Identification

SUBSTRATE of the AcroScreen™ Acrosin Activity assay

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER
Dimethyl sulfoxide	99	67-68-5
N- α -Benzoyl-DL-Arginine p-Nitroanilide	<1	911-77-3

Section III: Physical Data

Feature	Description
Appearance and Odour	Clear colorless liquid; distinct door
Boiling Point	>189oC
Melting Point	About 18oC
Vapor Pressure	N/A
Vapor Density	N/A
Specific Gravity	About 1.101
Volatile Fraction by Weight	About 99%

Section IV: Fire and Explosion Hazard Data

Feature	Description
Flash Point	203oF
Autoignition Temperature	573oF
Extinguishing Media	Water spray, carbon dioxide, dry chemical powder, alcohol or polymer 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	Forms explosive mixtures in air. Emits toxic fumes under fire conditions

Section V: Reactivity Data

Feature	Description
Incompatibilities	Acid chlorides, phosphorus halides, strong acids, strong oxidizing agents, strong reducing agents
Hazardous combustion or decomposition products	Toxic fumes of carbon monoxide and carbon dioxide; sulfur oxides; hydrogen chloride gas

Section VI: Health Hazard Data

Feature	Description	First Aid Procedure
Effects of Overexposure	Not established	
Inhalation	Vapor or mist is irritating to the mucous membranes and upper respiratory tract. May cause allergic respiratory reactions.	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Eyes	Vapor or mist is irritating to the eyes.	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Get medical attention if symptoms occur.
Skin	May cause allergic skin reactions.	Wash with copious amounts of water for at least 15 minutes. 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. Dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Ventilate area and clean surface thoroughly to remove residual contamination.

Section VIII: Special Precautions and Comments

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 SUBSTRATE SECTION

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Section I: Product Identification

DETERGENT of the AcroScreen™ Acrosin Activity assay

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER
Water	95-99	7732-18-5
Sodium Chloride	<1	7647-14-5
Sodium Azide	<0.1	26628-22-8
Triton-X-100	<1	9002-93-1
Sodium Hydroxide	<1	1310-73-2

Section III: Physical Data

Feature	Description
Appearance and Odour	Clear colorless solution; odourless
Boiling Point	>100oC
Vapor Pressure	N/A
Solubility in Water	Complete
Vapor Density	N/A
Specific Gravity	About 1.101
Evaporation Rate	N/A
Volatile Fraction by Weight	About 99%

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	No specific 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	Expected to be a low ingestion hazard.	Drink 1 - 2 glasses of water. 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. 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

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 SUBSTRATE SECTION

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Section I: Product Identification

POSITIVE CONTROL of the AcroScreen™ Acrosin Activity assay

Section II: Hazardous Ingredients

COMPONENT	Weight %	CAS NUMBER
Water	98	7732-18-5
Bromelain	<1	37189-34-7

Section III: Physical Data

Feature	Description
Appearance and Odour	White crysals in colorless liquid suspension; slight fruity odor.
Boiling Point	>100oC
Vapor Pressure	N/A
Vapor Density	N/A
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 to prevent contact with skin and eyes.
Unusual Fire and Explosion Hazards	Emits toxic fumes under fire conditions.

Section V: Reactivity Data

Feature	Description
Incompatibilities	Strong oxidizing agents, strong bases
Hazardous Polymerization	None
Hazardous Combustion or Decomposition Products	Sulfur oxides, ammonia, nitrogen oxides

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	May cause irritation.	In case of contact, immediately flush eyes with copious amounts of water. Seek medical attention if symptoms occur.
Skin	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals	Wash after each contact. Get medical attention if symptoms occur.
Ingestion	May be harmful if swallowed. May cause nausea, vomiting, diarrhea.	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.

Section VIII: Special Precautions and Comments

The chemical, physical and toxicological properties of this product have not been thoroughly investigated. Exercise due care.

/END SUBSTRATE SECTION