



Material Safety Data Sheet

Section 1: Product and Company Identification			
Product Name	Thiosulfate Citrate Bile Salts Sucrose Agar, TCBS Agar		
Catalogue Number:	AS-1358		
E-mail:	Sales@ausamics.com	Website:	Ausamics.com

Section 2: Hazards Identification			
Classification of the substance or mixture Not a hazardous substance or mixture.			
GHS Label elements, including precautionary statements No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.			
Hazards not otherwise classified (HNOC) or not covered by GHS none			

Section 3: Composition / Information on Ingredients			
Mixture			
Synonyms	Vibrio Selective Agar		
Component		Classification	Concentration*
Saccharose			
CAS-No.	57-50-1		>= 10 - < 30 %
EC-No.	200-334-9		
sodium cholate			
CAS-No.	361-09-1		
EC-No.	206-643-5		
Registration number	01-2120768605-45- XXXX	Aquatic Acute 3; Aquatic Chronic 3; H402, H412	>= 1 - < 5 %
Iron (III) citrate			
CAS-No.	3522-50-7		
EC-No.	222-536-6		
* Weight %			

Section 4: First Aid Measures			
Description of first-aid measures			
If inhaled	After inhalation: fresh air.		
In case of skin contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.		
In case of eye contact	After eye contact: rinse out with plenty of water. Remove contact lenses.		



If swallowed	After swallowing: make the person drink water (two glasses at most). Consult doctor if feeling unwell.
Most important symptoms and effects, both acute and delayed The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.	
Indication of any immediate medical attention and special treatment needed No data available	

Section 5: Fire Fighting Measures	
Extinguishing media	
Suitable extinguishing media	Water Foam Carbon dioxide (CO ₂) Dry powder.
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Special hazards arising from the substance or mixture	Carbon oxides Sulfur oxides Hydrogen chloride gas Sodium oxides Iron oxides Mixture with combustible ingredients. Development of hazardous combustion gases or vapors possible in the event of fire.
Advice for firefighters	In the event of fire, wear self-contained breathing apparatus.
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6: Accidental Release Measures	
Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid inhalation of dusts. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Environmental precautions	Do not let product enter drains.
Methods and materials for containment and cleaning up	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dust.
Reference to other sections	For disposal see section 13.

Section 7: Handling and Storage	
Precautions for safe handling	For precautions see section 2.
Conditions for safe storage, including any incompatibilities	
Storage conditions	Tightly closed. Dry.
Storage class	Storage class (TRGS 510): 11: Combustible Solids.



Section 8: Exposure Controls / Personal Protection				
Control parameters				
Components with workplace control parameters				
Components	CAS-No.	Value	Control parameters	Basis
Saccharose	57-50-1	TWAEV	10 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWA	10 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		TWA	10 mg/m ³	Canada. British Columbia OEL
		TWA	3 mg/m ³	Canada. British Columbia OEL
Iron (III) citrate	3522-50-7	TWA	1 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
Remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.			
		TWAEV	1 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWA	1 mg/m ³	Canada. British Columbia OEL
		STEL	2 mg/m ³	Canada. British Columbia OEL
		TWA	10 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
		TWA	1 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
Exposure controls				
Appropriate engineering controls				
Change contaminated clothing. Wash hands after working with substance.				
Personal protective equipment				
Eye/face protection				
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses.				
Skin protection				
Full contact				
Material: Nitrile rubber				
Minimum layer thickness: 0.11 mm				
Break through time: 480 min				
Material tested: KCL 741 Dermatril® L				
Splash contact				
Material: Nitrile rubber				
Minimum layer thickness: 0.11 mm				
Break through time: 480 min				
Material tested: KCL 741 Dermatril® L				
Respiratory protection				
Recommended Filter type: Filter type P2				
The entrepreneur must ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures must be properly documented. required when dusts are generated.				
Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.				

**Control of environmental exposure**
Do not let product enter drains.**Section 9: Physical and Chemical Properties**

Physical state	Powder
Color	Beige
Odor	No data available
Odor Threshold	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	No data available
Vapor pressure	No data available
Vapor density	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Viscosity	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Density	No data available
Relative density	No data available
Explosive properties	Not classified as explosive.
Oxidizing properties	none
Other safety information	No data available

Section 10: Stability and Reactivity**Reactivity**

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

Chemical stability

The product is chemically stable under standard ambient conditions (room temperature).

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

**Incompatible materials**

No data available

Hazardous decomposition products

In the event of fire: see section 5.

Section 11: Toxicological Information**Information on toxicological effects****Mixture**

Acute toxicity	Oral: No data available Acute toxicity estimates Oral - > 2,000 mg/kg (Calculation method) Inhalation: No data available Acute toxicity estimates Dermal - > 2,000 mg/kg (Calculation method)
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Components**Saccharose**

Acute toxicity	LD50 Oral - Rat - 29,700 mg/kg Remarks: Behavioral: Somnolence (general depressed activity). Cyanosis Diarrhea (RTECS) Inhalation: No data available Dermal: No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Test Type: Mutagenicity (mammal cell test): Result: negative Remarks: (National Toxicology Program)
Carcinogenicity	No data available



Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
sodium cholate	
Acute toxicity	LD50 Oral - Mouse - 2,400 mg/kg Remarks: Behavioral: Somnolence (general depressed activity). Gastrointestinal: Ulceration or bleeding from stomach. Gastrointestinal: Ulceration or bleeding from small intestine. (ECHA) (RTECS) Inhalation: No data available Dermal: No data available No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Iron (III) citrate	
Acute toxicity	Oral: No data available Inhalation: No data available Dermal: No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available



Section 12: Ecological Information	
Toxicity	
Mixture	No data available
Persistence and degradability	No data available
Bio accumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not Conducted.
Endocrine disrupting properties	No data available
Other adverse effects	No data available
Components	
Saccharose	No data available
sodium cholate	
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 35.8 mg/l - 48 h Remarks: The value / statement given is based on a (Q)SAR approach
Iron (III) citrate	No data available

Section 13: Disposal Consideration	
Waste treatment methods	
Product	Offer surplus and non- recyclable solutions to a licensed company. Contact a licensed professional waste disposal service to dispose of this material
Contaminated packaging	Dispose of as unused product.

Section 14: Transport Information	
UN number	ADR/RID: - IMDG: - IATA: -
UN proper shipping name	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID: - IMDG: - IATA: -
Packaging group	ADR/RID: - IMDG: - IATA: -
Environmental hazards	ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for user	No data available
Further information	Not classified as dangerous in the meaning of transport regulations.

**Section 15: Regulatory Information**

Safety, health and environmental regulations/legislation specific for the substance or mixture
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

Section 16: Additional Notes

Documented By	Ausamics Life Science Sales@Ausamics.com
Revision date	June 10, 2024
Summary of Revisions	This document has been revised to meet the requirements of the US OSHA HazCom 2012 Standard, which supersedes the existing regulations outlined in 29 CFR 1910.1200, in order to align with the internationally recognized globally Harmonized System of Classification and Labeling of chemicals (GHS).
Disclaimer	The information presented in this Safety Data sheet is accurate to the best of our knowledge, information, and belief at the time of publication. It is intended as a guide for the safe handling, use, processing, storage, transportation, disposal, and release of specific materials. However, it should be interpreted as a warranty or quality specification. The provided information pertains solely to the designated material and may not be applicable to its use in combination with other materials or in any process, unless explicitly stated in the text.