

### Material Safety Data sheet

#### Section 1: Product and Company Information

<b>Product Name</b>	Amies Transport Medium		
<b>Catalogue Number</b>	i23289	<b>Technical Phone</b>	0098 21 66787291
<b>E-mail</b>	ibresco@gmail.com	<b>Fax No</b>	09391003565
<b>Company Address</b>	Zist Kavosh Iranian, No.432, East Kokab Av,45 Metri Golshahr, Karaj, Iran.		

#### Section 2: Hazards Identification

##### Classification of the substance or mixture

##### GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

Corrosive to Metals (Category 1), H290

Acute toxicity, Oral (Category 4), H302

Skin sensitization (Category 1), H317

##### GHS Label elements, including precautionary statements

Pictogram



Signal Word      Warning

Hazard statement(s)  
H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.

Precautionary statement(s)  
P234 Keep only in original packaging.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves.  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.  
P390 Absorb spillage to prevent material damage.  
P501 Dispose of contents/ container to an approved waste disposal plant.

##### Hazards not otherwise classified (HNOC) or not covered by GHS

none

### Section 3: Composition / Information on Ingredients

#### Mixture

Component	Classification	Concentration*
<b>sodium thioglycolate</b>		
CAS-No. EC-No.	367-51-1 206-696-4	Met. Corr. 1; Acute Tox. 3; Acute Tox. 4; Skin Sens. 1; Aquatic Acute 3; H290, H301, H312, H317, H402
>= 5 - < 10 %		

\* Weight %

### Section 4: First Aid Measures

#### Description of first-aid measures

<b>General advice</b>	Show this material safety data sheet to the doctor in attendance.
<b>If inhaled</b>	After inhalation: fresh air.
<b>In case of skin contact</b>	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.
<b>In case of eye contact</b>	After eye contact: rinse out with plenty of water. Remove contact lenses.
<b>If swallowed</b>	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

#### 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

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### 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

Oxides of phosphorus

Hydrogen chloride gas

Potassium oxides

Sodium oxides

Not combustible.

Ambient fire may liberate hazardous vapors.

#### Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

#### 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. Avoid substance contact. 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 dusts.

### 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

No metal containers.  
Tightly closed. Dry.

#### Storage class

Storage class (TRGS 510): 8B: Non-combustible, corrosive hazardous materials

## Section 8: Exposure Controls / Personal Protection

### Control parameters

#### Ingredients with workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
sodium thioglycolate	367-51-1			Canada. British Columbia OEL
Remarks	Substance with specific evidence of sensitization by dermal route Contributes significantly to the overall exposure by the skin route.			
		TWA	1 ppm	USA. ACGIH Threshold Limit Values (TLV)

### Exposure controls

#### Appropriate engineering controls

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face 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 Dermatrill® L

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatrill® L

#### Body Protection

protective clothing

**Respiratory protection**

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.

<b>Section 9: Physical and Chemical Properties</b>	
Physical state	solid
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
<b>Other safety information</b>	No data available

<b>Section 10: Stability and Reactivity</b>	
<b>Reactivity</b>	No data available
<b>Chemical stability</b>	The product is chemically stable under standard ambient conditions (room temperature).
<b>Possibility of hazardous reactions</b>	No data available
<b>Conditions to avoid</b>	no information available

**Incompatible materials**

Strong oxidizing agents Metals

**Hazardous decomposition products**

In the event of fire: see section 5

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

	Oral: No data available
	Acute toxicity estimates Oral - 1,496 mg/kg (Calculation method)
<b>Acute toxicity</b>	Inhalation: No data available Dermal: No data available Acute toxicity estimates Dermal - > 5,000 mg/kg (Calculation method)
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	Mixture may cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	No data available
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>Additional Information</b>	Nausea, Headache, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Other dangerous properties cannot be excluded. Handle in accordance with good industrial hygiene and safety practice.

**Components****sodium thioglycolate**

	LD50 Oral - Rat - male and female - > 50 - 200 mg/kg (OECD Test Guideline 423) Symptoms: Nausea, Vomiting
<b>Acute toxicity</b>	LC50 Inhalation - Rat - male and female - 4 h - > 2,729 mg/l - dust/mist (OECD Test Guideline 403) LD50 Dermal - Rat - female - > 1,000 - 2,000 mg/kg (OECD Test Guideline 402) Skin - Rabbit
<b>Skin corrosion/irritation</b>	Result: slight irritation - 4 h (OECD Test Guideline 404) Eyes - Rabbit
<b>Serious eye damage/eye irritation</b>	Result: slight irritation (OECD Test Guideline 405) Local lymph node assay (LLNA) - Mouse
<b>Respiratory or skin sensitization</b>	Result: positive (OECD Test Guideline 429)

<b>Germ cell mutagenicity</b>	Test Type: Ames test Test system: Salmonella typhimurium Result: negative Method: OECD Test Guideline 474 Species: Mouse - male and female - Bone marrow Result: negative
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity - single exposure</b>	Acute oral toxicity - Nausea, Vomiting
<b>Specific target organ toxicity - repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

## Section 12: Ecological Information

<b>Toxicity</b>	
<b>Mixture</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bio accumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Results of PBT and vPvB assessment</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not Conducted.
<b>Endocrine disrupting properties</b>	No data available
<b>Other adverse effects</b>	No data available
<b>Components</b>	
	<b>sodium thioglycolate</b>
<b>Toxicity to fish</b>	flow-through test LC50 - Oncorhynchus mykiss (rainbow trout) - > 100 mg/l - 96 h (OECD Test Guideline 203) Remarks: The value is given in analogy to the following substances: 2-Thioglycolic acid
<b>Toxicity to daphnia and other aquatic invertebrates</b>	static test EC50 - Daphnia magna (Water flea) - 38 mg/l - 48 h (OECD Test Guideline 202) Remarks: The value is given in analogy to the following substances: 2-Thioglycolic acid
<b>Toxicity to algae</b>	ErC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 72 h (OECD Test Guideline 201) Remarks: The value is given in analogy to the following substances: diammonium dithiodiglycolate
<b>Toxicity to bacteria</b>	static test EC50 - activated sludge - 820 mg/l - 0.5 h (OECD Test Guideline 209) Remarks: The value is given in analogy to the following substances: Ammonium thioglycolate

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### Section 13: Disposal Consideration

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**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.

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**Contaminated packaging**

Dispose of as unused product.

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### Section 14: Transport Information

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<b>TDG</b>	Not regulated as a dangerous good
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<b>IMDG</b>	Not dangerous goods
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<b>IATA</b>	Not dangerous goods
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<b>Further information</b>	Not classified as dangerous in the meaning of transport regulations.
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### Section 15: Regulatory Information

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This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

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### Section 16: Other Information

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**DISCLAIMER**

For R&D use only. Not for drug, household or other uses.

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**WARRANTY**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. *ibresco* shall not be held liable for any damage resulting from handling or from contact with the above product.

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