

## STUART TRANSPORT MEDIUM (TRANSPORT MEDIUM, STUART)

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** Stuart Transport Medium

**Product Code:** TM 420

**REACH Registration Number:** This product is a mixture. Reach registration number is not available for this mixture

**Relevant identified uses of the substance or mixture and uses advised against**

**Relevant identified uses :**Laboratory Chemicals, Analytical Purpose, Biochemical Analysis. For InVitro Diagnostic Use

### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]**

Sensitisation, Skin, (Category 1), H317.

**Label elements**

**Labeling according to Regulation (EC) No.1272/2008**

Pictogram	
Signal word	Warning
Hazard Statement(s)	
H317	May cause an allergic skin reaction
Precautionary Statement(s)	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352	IF ON SKIN: wash with plenty of soap and water.
P333 + P313	IF SKIN irritation or rash occurs: Get medical advice/attention.

**Other hazards**

None

### SECTION 3: COMPOSITION /INFORMATION ON INGREDIENTS

**Mixture**

Component	Classification	Concentration
Sodium Thioglycollate		
CAS No. : 367-51-1 EC No. : 206-696-4	<b>As Per EC Regulation 1272/2008</b> Acute Tox.oral. 3; Skin Sens. 1 H301; H317	>=1.0 - <=10.0%

Component	Classification	Concentration
Calcium chloride, anhydrous		
CAS No. : 10043-52-4 EC No. : 233-140-8	<b>As Per EC Regulation 1272/2008</b> Eye Irrit. 2A H319	>=0.1- <=1.0%

Component	Classification	Concentration
Methylene blue		
CAS No. : 7220-79-3 EC No. : 200-515-2	<b>As Per EC Regulation 1272/2008</b> Acute Tox.oral 4; Skin Irrit. 2; Eye Irrit. 2A;	>=0.01 - <=0.1%



	STOT SE 3 H302; H315; H319; H335	
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Refer Section 16 for complete statement of H codes & classification.

#### SECTION 4: FIRST AID MEASURES

##### Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

##### In case of eye contact

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

##### Most important symptoms and effects, both acute and delayed

No data available.

#### SECTION 5: FIRE FIGHTING MEASURES

##### Extinguishing media

##### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### Unsuitable extinguishing media

No data available

##### Special hazards arising from the substance or mixture

Carbon oxides, Sodium oxides

##### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

##### Further information

No data available

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

##### Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

##### Methods and materials for containment and cleaning up

Soak up with inert adsorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

##### Reference to other sections

For disposal see section 13.

#### SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

**Conditions for safe storage, including any incompatibilities** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.



**Recommended Storage Temperature:** On receipt store between 10-25°C

**Specific end uses**

Apart from the uses mentioned in section 1, no other specific uses are stipulated.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

Components with workplace control parameters

**Exposure controls**

**Appropriate engineering controls**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

**Personal protective equipment**

**Hygiene measure**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

**Eye/face protection**

Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection Handle with gloves.**

Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Environment exposure controls**

Do not empty into drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

- |   |   |   |
|---|---|---|
| a) Appearance                                   | : | White to light Blue coloured homogenous free flowing powder |
| b) Odour  | : | No data available   |
| c) Odour Threshold                              | : | No data available   |
| d) pH   | : | 7.20 - 7.60   |
| e) Melting point/freezing point                 | : | No data available   |
| f) Initial boiling point and boiling range      | : | No data available   |
| g) Flash point                                  | : | No data available   |
| h) Evaporation rate                             | : | No data available   |
| i) Flammability (solid, gas)                    | : | No data available   |
| j) Upper/lower flammability or explosive limits | : | No data available   |
| k) Vapour pressure                              | : | No data available   |
| l) Vapour density                               | : | No data available   |
| m) Relative density                             | : | No data available   |
| n) Water solubility                             | : | No data available   |



o) Partition coefficient noctanol/water	:	No data available
p) Auto-ignition temperature	:	No data available
q) Decomposition temperature	:	No data available
r) Viscosity	:	No data available
s) Explosive properties	:	No data available
t) Oxidizing properties	:	No data available

**Other safety information**

No data available

**SECTION 10: STABILITY AND REACTIVITY DATA**

**Reactivity:**No data available

**Chemical stability:**No data available.

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:**No data available

**Incompatible materials:** No data available

**Hazardous decomposition products:** Refer Section 5.2

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Acute toxicity:** 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:**

IARC: No component of this product is present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:** No data available

**Specific target organ toxicity- single exposure:** No data available

**Aspiration hazard:** No data available

**Potential Health**

**Effects Inhalation:** REFER SECTION 2

**Skin:** REFER SECTION 2

**Eyes:**REFER SECTION 2

**Ingestion:** REFER SECTION 2

**Additional Information:** RTECS: Not available

**Components**

**Sodium Thioglycollate**

Acute oral toxicity

Rat LD50: 50-200 mg/kg(As per OECD Test Guideline 423) Acute dermal toxicity

Rat LD50: >1000-2000 mg/kg(As per OECD Test Guideline 402)

Skin irritation Rabbit: Slight irritation(As per OECD Test Guideline 404)

Eye irritation Rabbit: Slight irritation(As per OECD Test Guideline 405)

Sensitization: Local Lymph Node Assay(LLNA) Mouse: Positive (As per OECD Test Guideline 429)

Germ cell mutagenicity

Genotoxicity in vivo: In vivo micronucleus test:Mouse (male & female)

Oral Result: Negative method(As per OECD Test Guideline 474)

Genotoxicity in vitro

Ames Test: Salmonella Typhimurium

Result: Negative(As per OECD Test Guideline 471)

**Additional information:** RTECS: AI7700000



**Calcium chloride**

Acute oral toxicity Rat LD50 : 1,000 mg/kg (As per IUCLID)  
Acute dermal toxicity Rat LD50 : 2,630 mg/kg (As per IUCLID)  
Skin irritation Rabbit Result : No irritation (As per OECD Test Guideline 404)  
Eye irritation Rabbit Result: Eye irritation (As per OECD Test Guideline 405) Causes serious eye irritation.

**Additional Information:** RTECS: EV9800000

**Methylene blue chloride**

Acute oral toxicity No data available  
Acute inhalation toxicity No data available  
Acute dermal toxicity No data available  
Skin irritation No data available Eye irritation No data available  
Sensitisation No data available  
Ames test No data available Mutagenicity (mammal cell test) No data available  
Carcinogenicity No data available  
Toxicity to Reproduction No data available Teratogenicity  
No data available

**Additional information:** RTECS: SO5600000

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity**

No data available

**Components:**

**Sodium thioglycollate**

Toxicity to fish  
Oncorhynchus mykiss (rainbow trout) LC50: > 100 mg/l; 96 h  
(As per OECD Test Guideline 203)  
Toxicity to daphnia and other aquatic invertebrates  
Daphnia magna (Water flea) EC50: 38 mg/l; 48 h  
(As per OECD Test Guideline 202)  
Toxicity to algae Desmodesmus subspicatus (green algae) EC50: > 100 mg/l; 72h  
(As per OECD Test Guideline 201) Toxicity to bacteria  
EC50 Activated sludge: 820 mg/l; 0.5 h  
(As per OECD Test Guideline 209)

**Components**

**Calcium chloride**

Toxicity to fish Lepomis macrochirus (Bluegill sunfish) LC50 : 10,650 mg/l; 96 h  
(As per IUCLID)  
Toxicity to daphnia and other aquatic invertebrates  
Daphnia magna (Water flea) EC50 : 144 mg/l; 48 h  
(As per IUCLID) Toxicity to algae Algae EC50 : 3,130 mg/l; 120 h (As per IUCLID)

**Components**

**Methylene blue**

Toxicity to fish  
Pimephales promelas (fathead minnow) LC50: 45 mg/l; 96 h  
Toxicity to daphnia and other aquatic invertebrates  
Daphnia magna (Water flea) EC50: 2,260 mg/l; 48 h

**Persistence and degradability** No data available

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available



**Mobility in soil**

No data available

**Result of PBT and vPvB assessment**

This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT) at levels of 0.1% or higher.

**Other adverse effects**

No data available

**SECTION 13: DISPOSAL CONSIDERATION**

**Waste treatments methods**

**Product**

Offer surplus and non-recyclable solutions to a licenced company. Contact a licenced professional waste disposal service to dispose off this material.

**Contaminated packaging**

Dispose of as unused product

**SECTION 14: TRANSPORT INFORMATION**

**UN - No**

ADNR : ADR : IATA\_C : IATA\_P : IMDG : RID :

**UN proper shipping name**

ADNR : Not dangerous goods  
ADR : Not dangerous goods  
IATA\_C : Not dangerous goods  
IATA\_P : Not dangerous goods  
IMDG : Not dangerous goods  
RID : Not dangerous goods

**Transport hazard class(es)**

ADNR : - ADR : - IATA\_C : - IATA\_P : - IMDG : - RID : -

**Packaging group**

ADNR : ADR : IATA\_C : IATA\_P : IMDG : RID :

**Environmental hazards**

ADNR : No ADR : No IMDG : Marine Pollutant No IATA\_C : No IATA\_P : No RID : No

**Special precautions for use** No data available

**SECTION 15: REGULATORY INFORMATION**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**Safety health and environment regulations/legislation specific for the substance or mixture**

No data available

**Chemical Safety Assessment**

No data available

**SECTION 16: OTHER INFORMATION**

Text of H codes and classification mentioned in section 3



H301	Toxic if swallowed
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
Acute Tox.oral 4	Acute toxicity, oral, Category 4
Acute Tox.oral. 3	Acute toxicity, oral, Category 3
Eye Irrit. 2A	Serious eye damage or eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion or irritation, Category 2
Skin Sens. 1	Sensitisation, Skin, Category 1
STOT SE 3	Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3

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