

SOUTHERN GROUP LABORATORY LIMITED

SAFETY DATA SHEET

SECTION 1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
-------------------	---

1.1 Product identifier

Product name Muller Kaufmann Tetrathionate - Novobiocin Broth with Iodine

SGL Product code 3134

This product is a mixture.

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

Identified uses Reagent for laboratory analysis

Uses advised against No information on uses against available.

1.3. Details of the supplier of the safety data sheet

Supplier Southern Group Laboratory,
Cavendish Courtyard, Sallow Road,
Weldon North Industrial Estate,
Corby, Northants,
United Kingdom.
NN17 5JX.

TEL: +44(0) 1536 403815

FAX: +44(0) 1536 403814

EMAIL: info@sglab.co.uk

Available 9am-5pm (UK time) Mon to Fri except UK public holidays

Emergency telephone NHS Direct: 0845 4647 (England and Wales)
NHS 24: 08454 24 24 24 (Scotland)

SECTION 2.	HAZARDS IDENTIFICATION
-------------------	-------------------------------

2.1 Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008

Physical hazards

Based on available data, no classification met

Health hazards

Based on available data, no classification met

Environmental hazards

Based on available data, no classification met

This product does not meet the criteria for classification in any hazard class. A safety data sheet is being supplied for information.

2.2. Label elements

Pictogram None

Signal word None

Hazard statements None

Precautionary statements None

2.3. Other hazards None

SECTION 3.	COMPOSITION/INFORMATION ON INGREDIENTS
-------------------	---

3.1. Mixtures

Name	EC No.	CAS-No.	Concentration	Classification
Potassium iodide	231-659-4	7681-11-0	0.5% w/v	Specific Target Organ Toxicity (STOT), Repeated Exposure (RE) 1: H372
Iodine	231-442-4	7553-56-2	0.4% w/v	Specific Target Organ Toxicity (STOT), Repeated Exposure (RE) 1: H372 Specific Target Organ Toxicity (STOT), Single Exposure (SE) 3: H335 Acute Toxicity 4 (oral, dermal, inhalation): H302+H312+H332 Eye Irrit. 2: H319 Skin Irrit. 2: H315 Hazardous to Aquatic Environment, Acute 1: H400
Special Bile	273-578-7	68990-09-0	0.5% w/v	Skin Irrit. 2: H315 Eye Irrit. 2: H319
Novobiocin Sodium Salt	216-023-6	1476-53-5	<0.01% w/v	Eye Irrit. 2: H319 Skin Sens. 1: H317

Composition comments The data shown are in accordance with Regulation (EC) No. 1272/2008.

SECTION 4.	FIRST-AID MEASURES
-------------------	---------------------------

4.1 Description of first aid measures

Inhalation Remove from exposure. In severe cases obtain medical attention.

Ingestion Wash out mouth thoroughly with water. In severe cases and/or if symptoms occur, obtain medical attention.

Skin contact Wash off thoroughly with soap and water. Remove contaminated clothing and wash before re-use. In severe cases obtain medical attention.

Eye Contact Irrigate thoroughly with water for at least 15 minutes. Obtain medical attention if symptoms persist.

Self Protection of the first aider No special precautions identified.

4.2 Most important symptoms and effects, both acute and delayed

None expected under normal circumstances. In extreme cases may cause nausea, vomiting and/or diarrhoea if ingested.

4.3. Indication of any immediate attention and special treatment needed

Notes for doctor No specific recommendations.

SECTION 5.	FIRE – FIGHTING MEASURES
-------------------	---------------------------------

5.1. Extinguishing media

Suitable extinguishing media Water fog, foam, carbon dioxide (CO₂), dry powder

Unsuitable extinguishing media None identified.

Prevent fire fighting media from entering watercourses or ground water.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Possible generation of hazardous gases or vapours in event of fire.

5.3. Advice for firefighters

Protective actions during firefighting Wear self contained breathing apparatus (SCBA).

SECTION 6.	ACCIDENTAL RELEASE MEASURES
-------------------	------------------------------------

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Should not be released into the environment.

6.3. Methods and material for containment and cleaning up

Collect and seal material in closed container. Wear personal protective clothing as recommended in Section 8. Wash site of spillage thoroughly with water and detergent. Dispose as recommended in Section 13.

6.4. Reference to other sections

Section 8 for protective measures.
Section 13 for disposal considerations.

SECTION 7.	HANDLING AND STORAGE
-------------------	-----------------------------

7.1 Precautions for safe handling

Wear personal protective clothing. Avoid contact with skin, eyes and clothing. Change contaminated clothing. Wash hands after working with material.

7.2 Conditions for safe storage, including any incompatibilities

Store according to label requirements. Keep closed and protected from direct sunlight.

7.3 Specific end use(s)

Use in laboratories.

SECTION 8.	EXPOSURE CONTROLS/PERSONAL PROTECTION
-------------------	--

8.1 Control parameters

Component	CAS No	Long Term Exposure Limit (8 hr TWA Reference Period)	Short Term Exposure (15 Min Reference Period)	Basis	Comments
Iodine	7553-56-2	None	0.1 ppm 1.1 mg/m ³	UK. EH40 Workplace Exposure Limits	None

8.2 Exposure controls

Engineering measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks.

Protective equipment



Eye/face protection

Safety glasses complying with Standard EN166 if splashes are likely to occur.

Hand protection

Disposable nitrile rubber gloves complying with EC Directive 89/686/EEC and Standard EN374
 Glove thickness of 0.11mm
 See manufacturer's recommendations for break through times
 Material tested: Not applicable

Other skin and body protection Long sleeved clothing.

Hygiene measures

Wash hands after use.

Respiratory protection

None needed during normal use.

SECTION 9.	PHYSICAL AND CHEMICAL PROPERTIES
-------------------	---

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Green with white deposit
Odour	Odourless
Odour threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	
Lower explosion limit (VOL-%)	No data available
Upper explosion limit (VOL-%)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

9.2. Other information

None

SECTION 10.	STABILITY AND REACTIVITY
--------------------	---------------------------------

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under storage at normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION
--

11.1 Information on toxicological effects

The acute toxicity data is based on the mixture.

Acute oral toxicity	Classification criteria are not met
ATEmix	>2000 mg/kg
Method	Calculation
Acute dermal toxicity	Classification criteria are not met
ATEmix	>2000 mg/kg
Method	Calculation
Acute inhalation toxicity	Classification criteria are not met
ATEmix	>20 mg/l (vapour)
Method	Calculation
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT single exposure	No data available
STOT repeated exposure	No data available
Aspiration hazard	No data available

11.2 Additional information

In extreme cases may cause nausea, vomiting and/or diarrhoea if ingested.

SECTION 12.	ECOLOGICAL INFORMATION
--------------------	-------------------------------

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

None known.

SECTION 13.	DISPOSAL CONSIDERATIONS
--------------------	--------------------------------

13.1 Waste treatment methods

Sterilise used containers by, for example, autoclaving before final disposal. Dispose of in accordance with applicable local and national regulations.

Waste should not be disposed of by release to sewers.

SECTION 14.	TRANSPORT INFORMATION
--------------------	------------------------------

Not classified as dangerous according to transport regulations.

Land transport (ADR/RID) / Sea transport (IMDG) / Air transport (ICAO-TI/IATA-DGR)

- | | |
|---|-------------------|
| 14.1 <u>UN number</u> | Not applicable |
| 14.2 <u>UN proper shipping name</u> | Not applicable |
| 14.3 <u>Transport hazard class(es)</u> | Not applicable |
| 14.4 <u>Packing group</u> | Not applicable |
| 14.5 <u>Environmental hazards</u> | No data available |

14.6 Special precautions for user No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable, packaged goods.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of Substances and mixtures (as amended).

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

16.1 Relevant H- and EUH-phrases (number and full text)

H302: Harmful if swallowed
H312: Harmful in contact with skin
H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation
H332: Harmful if inhaled
H335: May cause respiratory irritation
H372: Causes damage to organs through prolonged or repeated exposure
H400: Very toxic to aquatic life

16.2 Additional information

The above information is based on present knowledge, but does not purport to be inclusive and should only be used as a guide. Southern Group Laboratory shall not be held liable for any damage resulting from handling or from contact with the above product.

The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made up material.

16.3 Revision summary

Changes to this issue Updated to format compliant with Regulation (EC) No 1907/2006 (REACH), the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and Regulation (EC) No 1272/2008 (CLP).

SGL Ref: HAZ3134
Issue No: 02

Revision Date: 31 May 2018

Revision Date: 31.05.2018
Issue No: 02

END OF SAFETY DATA SHEET