

SOUTHERN GROUP LABORATORY LIMITED

SAFETY DATA SHEET

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| SECTION 1. | IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING |
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1.1 Product identifier

Product name Egg Yolk Tellurite Emulsion

SGL Product code 0688

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,
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| SECTION 2. HAZARDS IDENTIFICATION |
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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 as it contains a substance/s for which there is a hazard classification.

2.2. Label elements

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| Pictogram | None |
| Signal word | None |
| Hazard statements | None |
| Precautionary statements | None |
| Supplementary Precautionary Statements | None |

2.3. Other hazards None

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| SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS |
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3.1. Mixtures

| Name | EC No. | CAS-No. | Concentration | Classification |
|-----------------------------|-----------|-----------|---------------|--|
| Dipotassium trioxotellurate | 232-213-1 | 7790-58-1 | 0.2% | Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; H301, H315, H319, H335 |

Composition comments

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

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| SECTION 4. | FIRST-AID MEASURES |
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4.1 Description of first aid measures

- Inhalation** Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Ingestion** Wash out mouth thoroughly with water and give plenty of water to drink. 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 10 minutes. If discomfort persists, obtain medical attention.
- Self Protection of the first aider** No special precautions identified.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate attention and special treatment needed

Notes for doctor No specific recommendations. If in doubt, get medical attention.

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| SECTION 5. | FIRE – FIGHTING MEASURES |
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5.1. Extinguishing media

- Suitable extinguishing media** Water, foam, carbon dioxide (CO₂), 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 (tellurium oxides and potassium oxides)

5.3. Advice for firefighters

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

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| SECTION 6. | ACCIDENTAL RELEASE MEASURES |
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6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective clothing as described in Section 8 of this safety data sheet.
Avoid dust formation. Avoid breathing dust, vapours, mist or gas.

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 avoiding the generation of dust. Wear personal protective clothing as recommended in Section 8. Cover drains to avoid releasing into environment. 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

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| SECTION 7. | HANDLING AND STORAGE |
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7.1. Precautions for safe handling

Wear personal protective clothing. Avoid contact with skin, eyes and clothing. Avoid formation of dust and aerosols. Ensure adequate ventilation. Change contaminated clothing. Wash hands after working with material.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Use in laboratories.

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| SECTION 8. | EXPOSURE CONTROLS/PERSONAL PROTECTION |
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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 |
|-----------------------------|-----------|--|---|------------------------------------|----------------------------------|
| Dipotassium trioxotellurate | 7790-58-1 | 0.1 mg/m ³ | No data available | UK. EH40 Workplace Exposure Limits | Based on Tellurium and compounds |

For those substances for which no short-term limit is specified, it is recommended that a figure of three times the long-term limit be used as a guideline for controlling short-term peaks in exposure.

8.2 Exposure controls

Engineering measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Handle in a well ventilated area.

Protective equipment



Eye/face protection

Safety glasses complying with Standard EN166.

Hand protection

Disposable nitrile rubber gloves complying with EC Directive 89/686/EEC and Standard EN374
 Glove thickness of 0.11mm
 Break through time of 480 mins
 Material tested: Dermatril® (KCI 740)

Other skin and body protection

Long sleeved clothing. Plastic apron and boots if handling large quantities.

Hygiene measures

Wash hands after use.

Respiratory protection

None needed during normal use.

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| SECTION 9. | PHYSICAL AND CHEMICAL PROPERTIES |
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9.1. Information on basic physical and chemical properties

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| Appearance | Suspension |
| Colour | Yellow |
| Odour | Almost 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

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| SECTION 10. | STABILITY AND REACTIVITY |
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10.1 Reactivity

None known.

10.2 Chemical stability

Stable under storage at normal conditions. Heat sensitive.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Avoid exposure to direct sunlight.
Exposure to moisture may affect product quality.

10.5 Incompatible materials

Strong acids
Strong oxidising agents

10.6 Hazardous decomposition products

None known.

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| SECTION 11. TOXICOLOGICAL INFORMATION |
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11.1 Information on toxicological effects

The acute toxicity data is based on the mixture.

Acute oral toxicity

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| ATE_{mix} | >2000 mg/kg |
| Method | Calculation |

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|------------------------------|-------------------|
| Acute dermal toxicity | No data available |
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| Acute inhalation toxicity | No data available |
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| Skin corrosion/irritation | No data available |
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| Serious eye damage/irritation | No data available |
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| Respiratory or skin sensitisation | No data available |
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| Germ cell mutagenicity | No data available |
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| Carcinogenicity | No component of this mixture presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
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| Reproductive toxicity | No data available |
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| STOT single exposure | Inhalation – may cause respiratory irritation. |
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| STOT repeated exposure | No data available |
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| Aspiration hazard | No data available |
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11.2 Additional information

After ingestion of large amounts the compound is mostly reduced to metallic tellurium and subsequently eliminated with the faeces (blue-grey). Metallic taste, dryness in mouth. Possible in extreme cases: gastrointestinal complaints, cyanosis, unconsciousness, collapse, in some cases risk of liver and kidney damage.

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| SECTION 12. | ECOLOGICAL INFORMATION |
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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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

None known.

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| SECTION 13. | DISPOSAL CONSIDERATIONS |
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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.

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| SECTION 14. | TRANSPORT INFORMATION |
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14.1 Land transport (ADR/RID)

Not classified as dangerous according to transport regulations.

14.2 Sea transport (IMDG)

Not classified as dangerous according to transport regulations.

14.3 Air transport (ICAO-TI/IATA-DGR)

Not classified as dangerous according to transport regulations.

14.4 Additional information

None.

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| SECTION 15. | REGULATORY INFORMATION |
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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.

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| SECTION 16. | OTHER INFORMATION |
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16.1 Relevant H- and EUH-phrases (number and full text)

None

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).

Revision Date: 01.06.2016

Issue No: 03

END OF SAFETY DATA SHEET