

# SOUTHERN GROUP LABORATORY LIMITED

## SAFETY DATA SHEET

<b>SECTION 1.</b>	<b>IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</b>
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### 1.1 Product identifier

**Product name** Nitrate Reagent 2

**SGL Product code** 4842

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](mailto: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)

<b>SECTION 2. HAZARDS IDENTIFICATION</b>
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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

Skin corrosion (category 1A): H314

#### Environmental hazards

Based on available data, no classification met

For the full text of the H-Statements mentioned see Section 16.

### 2.2. Label elements

#### Pictogram



#### Signal word

Danger

#### Hazard statements

H314: Causes severe skin burns and eye damage

#### Precautionary statements

P260: Do not breathe dust / fume / gas / mist / vapours / spray.

P280: Wear protective gloves, protective clothing, eye protection, face protection.

P301+P330+P331+P310: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON Center or doctor/physician.

P303 + P361 + P353+P310: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower. Immediately call a POISON Center or doctor/physician.

P363: Wash contaminated clothing before reuse.

P305 + P351 + P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON Center or doctor/physician.

P501: Dispose of contents/container in accordance with national regulations.

**2.3. Other hazards** None known

<b>SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**3.1. Mixtures**

Name	EC No.	CAS-No.	Concentration	Classification
90% Acetic Acid	200-580-7	64-19-7	30%	Flammable Liquids 3: H226 Skin corrosion 1A: H314
Sulphanilic Acid	204-482-5	121-57-3	<1%	Eye irritation 2: H319 Skin irritation 2: H315 Skin Sensitisation 1: H317

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

<b>SECTION 4. FIRST-AID MEASURES</b>
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**4.1 Description of first aid measures**

**Inhalation** Remove from exposure to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult give oxygen. Obtain medical attention.

**Ingestion** Do NOT induce vomiting. Wash out mouth thoroughly with water. Obtain medical attention immediately.

**Skin contact** Wash off thoroughly with water. Remove contaminated clothing. Obtain medical attention immediately.

**Eye Contact** Irrigate thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Obtain medical attention immediately.

**Self Protection of the first aider** Wear gloves (nitrile rubber recommended).

**4.2 Most important symptoms and effects, both acute and delayed**

No data available

#### **4.3. Indication of any immediate attention and special treatment needed**

**Notes for doctor** No specific recommendations.

<b>SECTION 5.</b>	<b>FIRE – FIGHTING MEASURES</b>
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#### **5.1. Extinguishing media**

**Suitable extinguishing media** Water fog, foam, carbon dioxide (CO<sub>2</sub>), dry powder

**Unsuitable extinguishing media** None known.

Prevent fire fighting media from entering watercourses or ground water.

#### **5.2. Special hazards arising from the substance or mixture**

Toxic fumes may be generated.

#### **5.3. Advice for firefighters**

**Protective actions during firefighting** Cool containers exposed to heat with water spray. Wear self contained breathing apparatus (SCBA).

<b>SECTION 6.</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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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 breathing mist, vapours or gas. No smoking, sparks, flames or other sources of ignition. Provide adequate ventilation.

#### **6.2. Environmental precautions**

Should not be released into the environment.

#### **6.3. Methods and material for containment and cleaning up**

Collect spillage using suitable non-combustible material. Seal material in closed container avoiding the generation of mist or vapours. Wear personal protective clothing as recommended in Section 8. Cover drains to avoid releasing into environment. Dispose as recommended in Section 13.

#### **6.4. Reference to other sections**

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

<b>SECTION 7.</b>	<b>HANDLING AND STORAGE</b>
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**7.1 Precautions for safe handling**

Wear personal protective clothing. Avoid contact with skin, eyes and clothing. Avoid formation of mists or vapours. 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 closed.

**7.3 Specific end use(s)**

Use in laboratories.

<b>SECTION 8.</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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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
90% Acetic Acid	64-19-7	10 ppm 25 mg/m <sup>3</sup>	15 ppm 37 mg/m <sup>3</sup>	UK. EH40 Workplace Exposure Limits	None.

## 8.2 Exposure controls

### Engineering measures

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

### Protective equipment



### Eye/face protection

Safety goggles (tightly fitting) 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  
 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

If ventilation is inadequate, suitable respiratory protection must be worn.

<b>SECTION 9.</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	No data available
<b>Odour threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point and boiling range</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	
<b>Lower explosion limit (VOL-%)</b>	No data available
<b>Upper explosion limit (VOL-%)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available

<b>Solubility(ies)</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available

## 9.2. Other information

None

<b>SECTION 10. STABILITY AND REACTIVITY</b>
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### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under storage at normal conditions

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

No data available

<b>SECTION 11. TOXICOLOGICAL INFORMATION</b>
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### 11.1 Information on toxicological effects

The acute toxicity data is based on the mixture.

<b>Acute oral toxicity</b>	No data available
<b>Acute dermal toxicity</b>	No data available
<b>Acute inhalation toxicity</b>	No data available
<b>Skin corrosion/irritation</b>	Causes severe skin burns and eye damage

<b>Serious eye damage/irritation</b>	Causes severe skin burns and eye damage
<b>Respiratory or skin sensitisation</b>	May elicit skin sensitisation in already sensitised individuals
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>STOT single exposure</b>	No data available
<b>STOT repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

### **11.2 Additional information**

No data available

<b>SECTION 12. ECOLOGICAL INFORMATION</b>
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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**

No information available

### **12.6 Other adverse effects**

No information available



<b>SECTION 13.</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**13.1 Waste treatment methods**

Dispose of in accordance with applicable local and national regulations.

<b>SECTION 14.</b>	<b>TRANSPORT INFORMATION</b>
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**Land transport (ADR/RID) / Sea transport (IMDG) / Air transport (ICAO-TI/IATA-DGR)**

<b>14.1 <u>UN number</u></b>	1760
<b>14.2 <u>UN proper shipping name</u></b>	CORROSIVE LIQUID, N.O.S
<b>14.3 <u>Transport hazard class(es)</u></b>	8
<b>14.4 <u>Packing group</u></b>	III
<b>14.5 <u>Environmental hazards</u></b>	No data available
<b>14.6 <u>Special precautions for user</u></b>	No data available

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

Not applicable, packaged goods.

<b>SECTION 15.</b>	<b>REGULATORY INFORMATION</b>
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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.

<b>SECTION 16.</b>	<b>OTHER INFORMATION</b>
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**16.1 Relevant H- and EUH-phrases (number and full text)**

H226: Flammable liquid and vapour  
H314: Causes severe skin burns and eye damage  
H315: Causes skin irritation  
H317: May cause an allergic skin reaction  
H319: Causes serious eye irritation

### **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).

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**END OF SAFETY DATA SHEET**