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 Oxalic Acid 5%
SGL Product code 3440

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.

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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

Serious eye damage (category 1): H318

Health hazards

Based on available data, no classification met

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	H318: Causes serious eye damage
Precautionary statements	P280: Wear protective gloves/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplementary Precautionary Statements	None

2.3. Other hazards

None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures

Name	EC No.	CAS-No.	Concentration	Classification
Oxalic acid	205-634-3	144-62-7	5% w/v	Acute Tox. 4: H302; Oral Acute Tox. 4: H312; Dermal Eye Dam 1: H318

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 and give plenty of water to drink. 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 10 minutes. If discomfort persists, obtain medical attention.

Self Protection of the first aider Wear protective gloves and eye protection.

4.2 Most important symptoms and effects, both acute and delayed

None expected under normal circumstances. In extreme cases, ingestion may cause irritation, nausea and vomiting.

4.3. Indication of any immediate attention and special treatment needed

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

SECTION 5.	FIRE – FIGHTING MEASURES

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.

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. 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.

SECTION 7.	HANDLING AND STORAGE

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 closed and protected from direct sunlight and moisture.

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
Oxalic acid	144-62-7	1 mg/m^3	2 mg/m^3	UK. EH40 Workplace Exposure Limits	None.

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.

Protective equipment

Eye/face protection Tightly fitting safety goggles.

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	Colourless
Odour	No data available
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

None known.

10.2 Chemical stability

Stable under storage at normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Avoid exposure to direct sunlight.

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	
ATE_{mix}	**>2**000 mg/kg
Method	Calculation
Acute dermal toxicity	
ATE_{mix}	**>2**000 mg/kg
Method	Calculation
Acute inhalation toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	H318: Causes serious eye damage.
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, ingestion may cause irritation, nausea and vomiting.

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

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.

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)

Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312 – Harmful in contact with skin.
Eye Dam. 1: H318 – Causes serious eye damage.

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 First Issue

Revision Date: 23.09.2016
Issue No: 01

END OF SAFETY DATA SHEET