

Product: SC1005

Safety data sheet.

Section 1. Identification of the substance/mixture & of the Company/undertaking

1.1. Product identifier.

Product Name: SC1005 cleaner

Product no. SC1005

Product description. Detergent based cleaner for strain gauge application.

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

1.2.1 Identified uses: Industrial use. Professional use.

Use of substance/the mixture: a professional liquid cleaner for use on most surfaces. Prior to strain gauge installation.

1.2.2 Uses advised against: No information available.

1.3. Details of the supplier of the safety data sheet.

Supplier: Gauge Factors Ltd, 3 Towergate Ind Park, Colebrook Way, Weyhill Road, Andover, Hants. SP10 3BB. UK

1.4. Emergency telephone number.

+44(0)1264 336396 between 8.30 - 4.30 Mon – Fri. Not manned 24 hours.

Email: sales@gaugefactors.com

Section 2. Composition/Details on Constituents

2.1 Classification of the substance or mixture.

Classification according to regulation (EC) no 1272/2008 (CLP): Eye irrit.2 H319

Full text of hazard classed and H-statements: see section 16

Adverse physicochemical, human health and environmental effects: No information available.

2.2 Label elements.

Label in accordance with (EC) no. 1272/2008 (CLP)



Signal word. (CLP): Warning

Hazard statement: H319 – Causes serious eye irritation.

Precautionary statements.(CLP):

P264 – Wash hands thoroughly after handling.

P280 – Wear protective gloves, protective clothing, eye protection, face shield.

P305 + P351 + P338 – IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 – If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No information available.

Product: SC1005

Section 3. Composition/information on ingredients

3.2 Mixtures

<u>3.1. Substance</u>	Not applicable		
<u>3.2. Mixture</u>			
Name	Product identifier	%	Classification according to regulation (EC) no. 1272/2008 (CLP)
2-butopxyethanol	(CAS number) 111-76-2 (EINECS/ELINCS number) 203-905-0 (EC index number) 603-014-00-0 (REACH no.) 01-2119475108-36	<5	Acute Tox. 4 (inhalation) H332 Acute Tox. 4 (Dermal) H312 Acute Tox. 4 (Oral) H302 Eye irrit. 2 H319 Skin irrit 2. H315
Disodium metasilicate	(CAS no.) 6834-92-0 (EINECS/ELINCS no) 229-912-9 (EC index no.) 014-010-00-8 (REACH no.) 01-2119449811-37	<1	Met. Corr. 1. H290 Skin Corr. 1B, H314 STOT SE 3. H335
Full test of H statements see section 16			

Section 4. First Aid Measures

4.1. Description of first aid measures.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Skin contact: Remove/take off immediately all contaminated clothing. Wash skin with plenty of water.

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects both acute and delayed.

Eyes contact: Causes serious eye irritation. Redness

Ingestion: Diarrhoea. Headache. Abdominal pain. Lethargy. Vomiting

4.3. Indication of any immediate medical attention and special treatment needed.

No information available.

Section 5. Fire Fighting Measures.

5.1. Extinguishing media:

Water spray. Dry powder. Carbon dioxide. Alcohol resistant foam

5.2 Special hazards arising from the substance or mixture.

No information available.

5.3 Advice for firefighters.

Protection during firefighting: Do not enter fire area without proper protective equipment including respiratory protection.

Section 6. Accidental Release Measures.

Product: SC1005

6.1 personal precautions, protective equipment and emergency procedures.

General measures: Wear suitable protective clothing. Keep upwind. Spilled material may present a slipping hazard.

6.1.1. For non-emergency personnel.

Protective equipment: Refer to proactive measures listed in section 7 & 8

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders.

Protective equipment: Equip clean-up crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions.

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up.

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

This product and its contain must be disposed of in a safe way and as per local legislation. Dilute with plenty of water.

6.4. Reference to other sections.

Stable in handling and storage conditions as recommended in section 7.

Concerning personal protective equipment to use. See section 8.

Concerning disposal elimination after cleaning: see section 13

Section . Handling & Storage.

7.1. Precautions for safe handling.

Hygiene measures: Wash hands and other exposed area with mild soap and water before eating drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities.

Store in original container. In a well-ventilated, cool, dark conditions.

Special rules on packaging: Keep container tightly closed and dry. Keep only in original container. Keep out of frost.

Technical condition(s): Bulk storage - Impermeable underground/retention basin.

7.3. Specific end use(s)

No information available.

Section 8. Exposure Controls/ Personal Protection

8.1. Control parameters.

2-Butoxyethanol (111-76-2)		
EU	Local name	2-Butoxyethanol
EU	LOELV TWA (mg/m ³)	98 mg/m ³
EU	LOELV TWA (ppm)	20ppm
EU	LOELV STEL (mg/m ³)	246 mg/m ³
EU	LOELV STEL (ppm)	50ppm
EU	Notes	Skin
Belgium	Local name	2-Butoxyethanol
Belgium	Limit value (mg/m ³)	98 mg/m ³
Belgium	Limit value (ppm)	20ppm
Belgium	Short time value (mg/m ³)	246 mg/m ³
Belgium	Short time value (ppm)	50 ppm
Belgium	Ramark (BE)	D

Product: SC1005

8.2 Exposure controls:

Engineering measures: ensure good ventilation of the work station.

Protective equipment: Gloves, safety glasses. In case of inadequate ventilation wear respiratory protection.



Process conditions: N.a

Respiratory equipment: Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV.

Recommended: filter type ABEK

Eye protection: In case of splash hazard: safety glasses.

Skin protection: Wear suitable protective clothing.

Hand protection: Where hand contact with the product may occur, the use of nitrile rubber gloves (approved according to EN374-CAT1 standard)

Other protection: None stated

Hygiene measures: None stated

Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties.

Physical state: Liquid

Colour: Colourless/light yellow

Odour: Characteristic. Odour threshold: No data available

pH: 11.4

Evaporation rate: 0.3 (n-BuAc =1)

Melting point/ melting range: 0°C

Freezing point: No data available

Boiling point/range: 100°C

Flash point: No data available

Auto-ignition temperature: 230°C

Decomposition temperature: No data available

Flammability (Solid, gas): Not flammable

Vapour pressure: 2332 Pa (20°C). Vapour density: Not available

Relative density (water=1): 1.017 (20°C)

Solubility: Water, complete soluble

Low Pow: Not data available. Low Kow: No data available.

Viscosity, Kinematic: 1mm²/s (20°C). Viscosity, dynamic: 1mPa.s(20°C) (Dynamic)

Explosive properties: None known.

Oxidising properties: None known

Explosive limits: 1,13 – 10,6 vol %

9.2 Other information

V.O.C. (V.O.S): 13.22 g/l

Section 10. Stability and Reactivity.

10.1. Reactivity.

No information available.

10.2. Chemical stability.

Stable under normal conditions.

10.3. Possibility of hazardous reactions.

No information available.

10.4. Conditions to avoid.

Extremely high or low temperatures. Direct sunlight

Product: SC1005

10.5. incompatible materials.

Acids

Materials to avoid

10.6. Hazardous decomposition products.

No information available.

Section 11. Toxicological Information.

11.1 Information on toxicological effects.

Toxicological information. Acute toxicity: Not classified.

2-Butoxyethanol (111-76-2)	
LD50/oral/rag	500mg/kg
LD50/dermal/rabbit	1100 mg/kg
LC50/inhalation/4h/rat	11 g/l
ATE CLP (oral)	5000,000 mg/kg bodyweight
ATE CLP (dermal)	1100,000 mg/kg bodyweight
ATE CLP (gasses)	4500,000 ppmv/4h
ATE CLP (vapours)	11,000 mg/l/4h
ATE CLP (dust,mist)	1,500 mg/l/4h
Disodium metasilicate (6834-92-0)	
LD50/oral rat	1152 mg/kg
LD50/dermal/rabbit	>=5000 mg/kg
LC50/inhalation/4h/rag	>=50 mg/l

Other health effects.

Ingestion: Not supplied

Skin contact: Corrosion/irritation: Not classified/ pH: 11.4

Eye contact: Causes serious eye irritation. pH: 11.4

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity, Carcinogenicity, Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified.

Specific target organ toxicity (repeated exposure): Not classified.

Aspiration hazard: Not classified.

12. Ecological Information.

12.1 Toxicity

Disodium metasilicate (6834-92-0)	
LC50/96h/fish	210 mg/l (Brachydanio rerio)
EC50/48h/daphnia magna	1700 mg/l

12.2 Persistence and degradability

Persistence and degradability	The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
-------------------------------	--

12.3 Bioaccumulative potential: No information available.

Product: SC1005

12.4 Mobility in soil: No information available.

12.5. Results of PBT and VPVB assessment: No information available.

12.6 Other adverse effects:

General information: Large amounts of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface water.

13. Disposal Considerations.

Regional legislation (waste): Disposal must be done according to official regulations.

European list of waste (LoW) code: 07 06 99 wastes not otherwise specified. 15 0102 plastic packaging.

14. Transport Information.

14.1 UN Number: Not regulated for transport

UN-No (ADR): Not applicable

UN-No (IMDG): Not applicable

14.2 UN Proper shipping name:

Proper shipping name (ADR): Not applicable

Proper shipping Name (IMDG); Not applicable

14.3 Transport hazard class(es)

ADR Transport hazard class: Not applicable

IMDG Transport hazard class(es): Not applicable.

14.4 Packing Group:

(ADR): Not applicable

(IMDG); Not applicable

14.5 Environmental hazards.

Dangerous for the environment: No

Marine pollutant: No

Further information: None available.

14.6 Special precautions for user:

14.6.1 overland transport: None available

14.6.2 Transport by sea: None available

14.6.3. Air transport: Not applicable

14.6.4. Inland waterway transport: Not applicable

14.6.5. Rail transport: Not applicable

14.7. Transport in bulk according to annex 11 of Marpol 73/78 and the IBC code: Not applicable.

Other information: Customs code: 3402-909000 Commodity code: 3402-9090

15. Regulatory Information.

Product: SC1005

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

15.1.1. EU regulations.

Contains no REACH substances with Annex XV11 restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substance.

V.O.C. (V.O.S): 13.22 g/l

Ingredients according to the regulation (EC) 648.2004 on detergents: <5% EDTA and salts thereof, <5% anionic surfactants.

15.1.2 National Regulations.

15.2. Chemical safety assessment: No chemical safety assessment has been carried out.

16. Other Information.

16. Other information:

This product Safety data sheet was prepared in compliance with Commission Directive 91/155/EEC, 67/548/EEC and 1999/45/EC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

This product should only be used as stated in Gauge Factors Ltd Literature. It is the responsibility of the persons in receipt of this Safety; Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in to contact with the product, If the recipient subsequently produces a formulation containing the Gauge Factors Ltd product, it is the recipients sole responsibility to ensure the transfer of all relevant information from the Gauge Factors Ltd Product Safety Data Sheet to their own product Safety Data Sheet in compliance with Commission directive 1999/45/EC.

All sections of this Safety Data Sheet have been amended since the previous version.

All information and instructions provided in the Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Gauge Factors Ltd shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

N/k = not known
N/a = not applicable
N/d = not determined

Disclaimer: The information provided in this Safety data sheet is consistent with the information in the Chemical safety report, as far as this information was available at the time of compilation.

The information of this safety data sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety data sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.