

Product SG-95 A  
 Revision Date 11/07/2016  
 Revision 1



## Safety Data Sheet (SDS)

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product Identifier

**Product Name** SG-95 A  
**Synonyms, Trade Names** No information available.

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Identified Uses** No Information Available.  
**Uses Advised Against** No uses advised against are identified.

#### 1.3 Details of the Supplier of the Safety Data Sheet

**Supplier** Renishaw plc  
 Brooms Road  
 Stone Business Park  
 Stone, Staffordshire  
 ST15 0SH  
 United Kingdom  
 Tel: +44 (0) 1785 285000 (during UK office hours 09:00 to 17:00 UTC).  
 msds@renishaw.com

**Contact Person**

#### 1.4 Emergency Telephone Number

**Emergency Telephone** 999 / 911 or local emergency number.

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture

**Classification (EC 1272/2008)**  
 Physical and Chemical Hazards Not classified  
 Human Health Skin Irrit.2 - H315,  
 Environment Aquatic Chronic 3 - H412

#### 2.2 Label Elements

**Contains** Not applicable

**Label in Accordance With (EC) No. 1272/2008**



**Signal Word** Warning

**Hazard Statements** H315 Causes skin irritation.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

#### Prevention

P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/eye protection/face protection.

#### Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P332 + P313 If skin irritation occurs: Get medical advice/attention.

**2.3 Other Hazards**

None known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substance**

Not applicable.

**3.2 Mixtures**

Name	Product Identifier	GHS Classification	%
Glycerol, propoxylated	CAS-No.: 25791-96-2 EC No.: 500-044-5		60-100%
Polyethylene-Polypropylene Glycol	CAS-No.: 9082-00-2 EC No.:		10-30%
4,4'-Isopropylidenediphenol, propoxylated	CAS-No.: 37353-75-6 EC No.: 500-097-4	Skin Irrit.2 - H315, Aquatic Chronic 2 - H411	1-10%

The Full Text for all Hazard Statements Are Displayed in Section 16.

**Composition Comments**

This product is non hazardous, the information is given for guidance only. The data shown are in accordance with the latest EC Directives.

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of First Aid Measures**

**General Information**

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.

**Inhalation**

If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

**Ingestion**

Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Induce vomiting only when directed by medical personnel and person is conscious. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head low and/or keep airway clear. Seek medical attention.

**Skin Contact**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

**Eye Contact**

Do not rub eye. If this product contacts the eyes, gently flush eyes with water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Avoid contaminating unaffected eye. Seek medical attention.

**4.2 Most Important Symptoms and Effects, Both Acute and Delayed**

**General Information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**

No specific symptoms noted.

**Ingestion**

No specific symptoms noted.

**Skin Contact**

Causes skin irritation.

**Eye Contact**

May cause temporary eye irritation.

**4.3 Indication of any Immediate Medical Attention and Special Treatment Needed**

**Notes to the Physician**

Treat symptomatically.

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing Media**

**Extinguishing Media**

Use fire-extinguishing media appropriate for surrounding materials. Dry chemical, carbon dioxide, chemical foam and water spray.

**Unsuitable Extinguishing Media** Do not use water jet as an extinguisher.

**5.2 Special Hazards Arising From the Substance or Mixture**

**Hazardous Combustion Products** In case of fire, toxic gases(CO, CO<sub>2</sub>,) may be formed.  
**Unusual Fire & Explosion Hazards** No unusual fire or explosion hazards noted.  
**Specific Hazards** If heated, harmful vapours may be formed. Floors may become slippery, avoid falls.

**5.3 Advice for Firefighters**

**Special Fire Fighting Procedures** For initial fire, use dry chemical, carbon dioxide or dry sand.  
In case of a massive fire, use foam extinguisher.  
If possible, fight fire from protected position. Ventilate closed spaces before entering them.  
Keep up-wind to avoid fumes. Avoid breathing fire vapours. Containers close to fire should be removed immediately or cooled with water if safe to do so.  
**Protective Equipment for Firefighters** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

---

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Do not smoke, eat or drink while using this product. Eliminate all sources of ignition. Wash hands after use.  
Read and follow manufacturer's recommendations. Do not touch or walk through spilled material. If necessary evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.  
**For Emergency Responders** Follow safe handling advice and personal protective equipment recommendations for normal use of product.

**6.2 Environmental Precautions**

**Environmental Precautions** Do not discharge into drains, water courses or onto the ground. Do not allow ANY environmental contamination.

**6.3 Methods and Material for Containment and Cleaning Up**

**Spill Clean Up Methods** Safely stop source of spill. Clean up spills immediately. Restrict non-essential personnel from the area. Wear protective clothing, goggles and respirator if ventilation is not adequate. Ventilate and evacuate the area.  
Neutralize by dispersing neutralizing agent and absorb with sand. After getting rid of the spilled material, wash the area well with water. In case of a large scale spill, build embankments and absorb with sand.  
Collect with non-sparking implements. Place spilled material into suitable labelled containers which can be tightly sealed. Remove waste promptly to a safe area.

**6.4 Reference to Other Sections**

**Reference to Other Sections** See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.

---

**SECTION 7: HANDLING AND STORAGE**

---

**7.1 Precautions for Safe Handling**

**Handling** Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product. Do not use contact lenses. Avoid contact with skin and eyes. Avoid inhalation of vapours. Provide good ventilation. Wear suitable personal protective equipment.

**7.2 Conditions for Safe Storage, Including Any Incompatibilities**

**Storage Precautions** Keep locked up and out of reach of children. Keep away from heat, sparks, direct sunlight

and open flame. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid contact with incompatible materials.  
Chemical storage.

**Storage Class**

**7.3 Specific End Use(s)**

**Specific End Use(s)  
Usage Description**

The identified uses for this product are detailed in Section 1.  
Use only according to directions. Replace and tighten cap after use.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters**

**Ingredient Comments** No information available.

**8.2 Exposure Controls**

**Protective Equipment**



**Engineering Measures  
Respiratory Equipment**

Provide adequate ventilation, including appropriate local extraction.  
Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143. Gas/vapour filter should be used, and suitable (type A) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as CEN (EU).  
Change filters frequently. Use respiratory protection as specified by an industrial hygienist or other qualified professional.

**Hand Protection**

Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. Gloves must be inspected prior to use.  
Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Change gloves regularly.  
Suggested material: PVC. Consult manufacturer for specific advice.

**Eye Protection**

Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

**Other Protection**

Wear appropriate clothing to prevent any possibility of skin contact. Suggested PPE: Fire and chemical resistant full-length overalls with electrically conductive safety shoes or grounding straps.  
Caution is required to avoid contact with unprotected electrical devices when wearing conductive safety shoes or grounding straps. Protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice. Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work. Wash promptly if skin becomes contaminated.

**Process Conditions**

Ensure that eye flushing systems and safety showers are located close by in the work place.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on Basic Physical and Chemical Properties**

**Appearance** Liquid.  
**Colour** Light yellow.  
**Odour** Weak odour.  
**Odour Threshold - Lower** No information available.

<b>Odour Threshold - Upper</b>	No information available.
<b>pH-Value, Conc. Solution</b>	No information available.
<b>pH-Value, Diluted Solution</b>	No information available.
<b>Melting Point</b>	No information available.
<b>Initial Boiling Point and Boiling Range</b>	No information available.
<b>Flash Point</b>	196 - 197 °C
<b>Evaporation Rate</b>	No information available.
<b>Flammability State</b>	No information available.
<b>Flammability Limit - Lower(%)</b>	No information available.
<b>Flammability Limit - Upper(%)</b>	No information available.
<b>Vapour Pressure</b>	No information available.
<b>Vapour Density (air=1)</b>	No information available.
<b>Relative Density</b>	1.07 g/cm <sup>3</sup> at 25 °C
<b>Bulk Density</b>	No information available.
<b>Solubility</b>	Soluble in water. Soluble in organic solvents.
<b>Decomposition Temperature</b>	No information available.
<b>Partition Coefficient; n-Octanol/Water</b>	No information available.
<b>Auto Ignition Temperature (°C)</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Explosive Properties</b>	No information available.
<b>Oxidising Properties</b>	No information available.

## **9.2 Other Information**

<b>Molecular Weight</b>	No information available.
<b>Volatile Organic Compound</b>	No information available.
<b>Other Information</b>	None noted.

---

## **SECTION 10: STABILITY AND REACTIVITY**

---

### **10.1 Reactivity**

<b>Reactivity</b>	No specific reactivity hazards associated with this product.
-------------------	--

### **10.2 Chemical Stability**

<b>Stability</b>	Stable at room temperature.
------------------	-----------------------------

### **10.3 Possibility of Hazardous Reactions**

<b>Hazardous Reactions</b>	No autoreactivity.
<b>Hazardous Polymerisation</b>	Unknown.
<b>Polymerisation Description</b>	Unknown.

**10.4 Conditions to Avoid**

**Conditions to Avoid** Avoid heat, flames, static discharge and sparks.

**10.5 Incompatible Materials**

**Materials to Avoid** Avoid contact with oxidants.

**10.6 Hazardous Decomposition Products**

**Hazardous Decomposition Products** In case of fire, toxic gases (CO, CO<sub>2</sub>,) may be formed.

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

**11.1 Information on Toxicological Effects**

<b>Toxicological Information</b>	No toxicological information for the overall finished product.
<b>Acute Toxicity (Oral LD50)</b>	No information available.
<b>Acute Toxicity (Dermal LD50)</b>	No information available.
<b>Acute Toxicity (Inhalation LD50)</b>	No information available.
<b>Serious Eye Damage/Irritation</b>	May cause temporary eye irritation.
<b>Skin Corrosion/Irritation</b>	Causes skin irritation.
<b>Respiratory Sensitisation</b>	
<b>Skin Sensitisation</b>	No information available.
<b>Germ Cell Mutagenicity</b>	
<b>Genotoxicity - In Vitro</b>	
<b>Genotoxicity - In Vivo</b>	
<b>Carcinogenicity</b>	No information available.
<b>Specific Target Organ Toxicity - Single Exposure:</b>	
<b>STOT - Single Exposure</b>	No information available.
<b>Specific Target Organ Toxicity - Repeated Exposure:</b>	
<b>STOT - Repeated Exposure</b>	No information available.
<b>Inhalation</b>	No specific symptoms noted.
<b>Ingestion</b>	No specific symptoms noted.
<b>Skin Contact</b>	Causes skin irritation.
<b>Eye Contact</b>	May cause temporary eye irritation.
<b>Waste Management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product. Curing in large quantities or under improper conditions may cause fire. Dispose of without curing and mixing with other materials.
<b>Routes of Entry</b>	No information available.
<b>Target Organs</b>	No target organs specified.
<b>Aspiration Hazards:</b>	No information available.
<b>Reproductive Toxicity:</b>	No information available.

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

**12.1 Toxicity**

<b>Ecotoxicity</b>	The product contains a substance which is harmful to aquatic life with long lasting effects.
<b>Eco Toxicological Information</b>	The product contains a substance which is harmful to aquatic organisms.

**12.2 Persistence and Degradability**

<b>Degradability</b>	No information available.
<b>Biological Oxygen Demand</b>	No information available.
<b>Chemical Oxygen Demand</b>	No information available.

**12.3 Bioaccumulative Potential**

**Bioaccumulative Potential** No data available on bioaccumulation.  
**Bioaccumulation Factor**  
**Partition Coefficient; n-Octanol/Water** No information available.

**12.4 Mobility in Soil**

**Mobility** Soluble in water.

**12.5 Results of PBT and vPvB Assessment**

**Results of PBT and vPvB Assessment** No information available.

**12.6 Other Adverse Effects**

**Other Adverse Effects** No information available.

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

**Waste Management** When handling waste, consideration should be made to the safety precautions applying to handling of the product. Curing in large quantities or under improper conditions may cause fire. Dispose of without curing and mixing with other materials.

**13.1 Waste Treatment Methods**

**Disposal Methods** Dispose of waste and residues in accordance with local authority requirements, and in accordance with all local, national and international regulations. For wastewater from processing, do not discharge into ground or drains without treatment. For waste disposal, use a licensed industrial waste disposal agent.

---

**SECTION 14: TRANSPORT INFORMATION**

---

**14.1 UN Number**

**UN No. (ADR)** Not applicable.  
**UN No. (IMDG)** Not applicable.  
**UN No. (IATA)** Not applicable.

**14.2 UN Proper Shipping Name**

**ADR Proper Shipping Name** Not applicable.  
**IMDG Proper Shipping Name** Not applicable.  
**IATA Proper Shipping Name** Not applicable.

**14.3 Transport Hazard Class(es)**

**ADR Class** Not applicable.  
**IMDG Class** Not applicable.  
**IATA Class** Not applicable.

**Transport Labels** Not applicable

**14.4 Packing Group**

**ADR/RID/ADN Packing Group** Not applicable.  
**IMDG Packing Group** Not applicable.  
**IATA Packing Group** Not applicable.

**14.5 Environmental Hazards**

**ADR** No  
**IMDG** No  
**IATA** No

**14.6 Special Precautions for User**

**EMS** Not applicable.  
**Emergency Action Code** Not applicable.

**Hazard No. (ADR)** Not applicable.  
**Tunnel Restriction Code** Not applicable.

**14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

---

**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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006.

**Approved Code of Practice** Workplace Exposure Limits Guidance Note EH40/2005.

**Chemical Safety Assessment** No chemical safety assessment has been carried out.

---

**SECTION 16: OTHER INFORMATION**

---

**General Information** This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.  
**Revision Comments** This is a first issue.  
**Revision Date** 11/07/2016  
**Revision** 1  
**Safety Data Sheet Status** Approved.

**Hazard Statements In Full**

**H315** Causes skin irritation.  
**H411** Toxic to aquatic life with long lasting effects.  
**H412** Harmful to aquatic life with long lasting effects.

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.