

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

1.1. Product identifier

Product name                                    **So STERILE**  
Product No.                                        **SO53**

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

Identified uses                                    Alcohol hand steriliser rub for use in SoSystem Dispensers

1.3. Details of the supplier of the safety data sheet

Selden Research Limited	t : 01298 26226
Staden Lane	
Ashbourne Road	f : 01298 26540
Buxton	
Derbyshire	e : safety@selden.co.uk
SK17 9RZ	
United Kingdom	

1.4. Emergency telephone number

01298 26226

**SECTION 2: HAZARDS IDENTIFICATION**

2.1. Classification of the substance or mixture

Classification (67/548/EEC) F;R11.

2.2. Label elements

Labelling



Highly Flammable (F)

Risk Phrases

R11 Highly flammable

Safety Phrases

S16 Keep away from sources of ignition - No smoking.  
S51 Use only in well-ventilated areas.  
S7/9 Keep container tightly closed and in a well-ventilated place.  
S2 Keep out of the reach of children.  
S23 Do not breathe vapour/spray.

2.3. Other hazards

No other hazards known., This product does not contain any PBT or vPvB substances.

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

3.1. Substances

Not Applicable

3.2. Mixtures

ETHANOL	60-100%
CAS-No.: 64-17-5	EEC (EINECS) No. 200-578-6
Classification (EC 1272/2008) Flammable liquids, category 2 - H225	Classification (67/548/EEC) F;R11

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: FIRST AID MEASURES**

#### 4.1. Description of first aid measures

##### General information

Inhalation	Not relevant as inhalation unlikely.
Ingestion	Rinse mouth thoroughly., Get medical attention if any discomfort continues.
Skin contact	Not applicable
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids., Continue to rinse for at least 15 minutes., Get medical attention if any discomfort continues.

#### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Vapours may cause drowsiness and dizziness.
Ingestion	May cause stomach pain or vomiting., Diarrhoea.
Skin contact	Irritating to skin., Prolonged or repeated exposure may cause severe irritation.
Eye contact	Irritation is likely.

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

Treat Symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Extinguishing media	Alcohol resistant foam., Dry chemicals, sand, dolomite etc., Carbon dioxide (CO <sub>2</sub> )., DO NOT use water if avoidable.
---------------------	---

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

Unsuitable extinguishing media

#### 5.3. Advice for firefighters

Special Fire Fighting Procedures	Wear self contained breathing apparatus
----------------------------------	---

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes., For personal protection, see section 8.

#### 6.2. Environmental precautions

Not relevant considering the small amounts used.

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

Stop leak if possible without risk., Absorb in vermiculite, dry sand or earth and place into containers., Flush with plenty of water to clean spillage area., Do not contaminate water sources or sewer.

#### 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Avoid contact with eyes.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place., Keep in original container.

### 7.3. Specific end use(s)

See product label for detailed usage and instructions.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
ETHANOL	WEL	1000 ppm	1920 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limits

### 8.2. Exposure controls

Protective equipment	
Respiratory equipment	Not relevant
Eye protection	Not relevant
Skin protection	Not applicable

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless.
Odour	Characteristic.
Relative density	0.869 - 0.879 @ 20 °C
pH-Value, Conc. Solution	7
Flash point (°C)	19

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Stable under normal temperature conditions.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

None known

### 10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

### 10.5. Incompatible materials

No incompatible groups noted.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxicological information	No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.
Inhalation	Vapours may cause drowsiness and dizziness.
Ingestion	May cause stomach pain or vomiting., Diarrhoea.
Skin contact	Irritating to skin., Prolonged or repeated exposure may cause severe irritation.
Eye contact	Irritation is likely.

**SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity

Not regarded as dangerous for the environment.

12.2. Persistence and degradability

Degradability                      The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.

12.3. Bioaccumulative potential

Bioaccumulative potential              The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility:                                      The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or PvB substances

12.6. Other adverse effects

None known

**SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION**

General                                      The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

UN No. (ADR/RID/ADN)              1170  
UN No. (IMDG)                          1170  
UN No. (ICAO)                          1170

14.2. UN proper shipping name

Proper Shipping Name:              ALCOHOL SOLUTION

14.3. Transport hazard class(es)

ADR/RID/ADN Class                  Class 3: Flammable liquids.  
Transport Labels                      Not Applicable

14.4. Packing group

IMDG Packing group                  II

14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant      No

14.6. Special precautions for user

Tunnel Restriction Code              n/a

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

**SECTION 15: REGULATORY INFORMATION**

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

UK Regulatory References	The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
Environmental Listing	Rivers (Prevention of Pollution) Act 1961., Control of Pollution (Special Waste Regulations) Act 1980.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716)., The Cosmetic Products (Safety) Regulations 1996
Approved Code Of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes	Workplace Exposure Limits EH40., Introduction to Local Exhaust Ventilation HS(G)37. System of specific information relating to Dangerous Preparations. 2001/58/EC., Dangerous Preparations Directive 1999/45/EC., Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments., 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.
EU Legislation	
National Regulations	The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007).

15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

**SECTION 16: OTHER INFORMATION**

General information	
Revision Comments	
Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.	
Revision Date	29/07/2009
Revision	1
Risk Phrases In Full	R11 Highly flammable
Hazard Statements In Full	H225 Highly flammable liquid and vapour.