

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

### 1.1. Product identifier

Product name **SELPEN S**  
 Product No. **F005**

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

Identified uses **Solvent based cleaner**

### 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) **Xn;R65. R10,R52/53,R66.**

### 2.2. Label elements

Contains **ALIPHATIC DISTILLATE**  
 Detergent Labelling:   
 < 5% **anionic surfactants**  
 < 5% **non-ionic surfactants**  
 5 - < 15% **Aromatic hydrocarbons.**  
 >= 30% **Aliphatic hydrocarbons**

### Labelling



Harmful (Xn)

### Risk Phrases

R10 Flammable., R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment., R66 Repeated exposure may cause skin dryness or cracking., R65 Harmful: may cause lung damage if swallowed.

### Safety Phrases

S2 Keep out of the reach of children.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S51 Use only in well-ventilated areas.  
 S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.  
 S37/39 Wear suitable gloves and eye/face protection.

### 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

1,2,4-TRIMETHYLBENZENE		1-5%
CAS-No.: 95-63-6	EEC (EINECS) No. 202-436-9	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flammable liquids, category 3 - H226	R10	
Acute toxicity, category 4 - inhalation - H332	Xn;R20	
Eye irritation, category 2 - H319	Xi;R36/37/38	
STOT***, single exposure, category 3 - Respiratory track irritation - H335	N;R51/53	
Skin irritation, category 2 - H315		
Hazardous to the aquatic environment, chronic, category 2 - H411		
ALCOHOL ETHOXYLATE		1-5%
CAS-No.:	EEC (EINECS) No.	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Skin irritation, category 2 - H315	Xi;R38,R41	
Serious eye damage, category 1 - H318		
ALIPHATIC DISTILLATE		60-100%
CAS-No.: 64742-48-9	EEC (EINECS) No. 265-150-3	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Aspiration hazard, category 1 - H304	Xn;R65	
Flammable liquids, category 3 - H226	R10,R66	
Repeated exposure may cause skin dryness or cracking - EUH066		
ANIONIC DETERGENT		1-5%
CAS-No.: 68584-24-7	EEC (EINECS) No. 271-531-5	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Acute toxicity, category 4 - Oral - H302	Xn;R22	
Skin irritation, category 2 - H315	Xi;R38,R41	
Serious eye damage, category 1 - H318		
Solvent, Light aromatic, Naptha (Petroleum)		5-10%
CAS-No.:	EEC (EINECS) No.	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Aspiration hazard, category 1 - H304	Xn;R65	
Hazardous to the aquatic environment, chronic, category 2 - H411	N;R51/53	
Hazardous to the aquatic environment, chronic, category 2 - H411	R66,R67	
Repeated exposure may cause skin dryness or cracking - EUH066		
STOT***, single exposure, category 3 - Narcotic effects - H336		

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	Move the exposed person to fresh air at once., Get medical attention., Provide rest, warmth and fresh air., For breathing difficulties oxygen may be necessary.
Ingestion	DO NOT INDUCE VOMITING!, NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!, If vomiting occurs, keep head low so that stomach content doesn't get into the lungs., Drink plenty of water., Get medical attention immediately!, Provide rest, warmth and fresh air.
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	Make sure to remove any contact lenses from the eyes before rinsing., Promptly wash eyes with plenty of water while lifting the eye lids., Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation	Vapour may irritate respiratory system or lungs.
Ingestion	Harmful: may cause lung damage if swallowed.
Skin contact	Acts as a defatting agent on skin. May cause cracking of skin, and eczema., Prolonged or repeated exposure may cause severe irritation.
Eye contact	May cause severe irritation to eyes.

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

Treat Symptomatically.

#### SECTION 5: FIREFIGHTING MEASURES

##### 5.1. Extinguishing media

Extinguishing media Fire can be extinguished using: , Foam., Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Unsuitable extinguishing media

5.3. Advice for firefighters

Special Fire Fighting Procedures      Self contained breathing apparatus and full protective clothing must be worn in case of fire. Avoid breathing fire vapours., Cool containers exposed to flames with water until well after the fire is out.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment., Absorb in vermiculite, dry sand or earth and place into containers., 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 spilling, skin and eye contact., Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

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

Not applicable

8.2. Exposure controls

Protective equipment



Engineering measures  
Respiratory equipment

Provide adequate general and local exhaust ventilation.  
No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Use protective gloves made of: , Nitrile.

Eye protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

Appearance      Clear, Liquid

Colour	Colourless., to, Light (or pale)., Amber.
Odour	Hydrocarbon.
Relative density	0.783 - 0.793 @ 20 °C
pH-Value, Conc. Solution	N/A

## 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

Avoid contact with strong oxidisers.

### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

Fire creates: , Toxic gases/vapours/fumes of: , Carbon monoxide (CO)., Carbon dioxide (CO2).

## 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	Vapour may irritate respiratory system or lungs.
Ingestion	Harmful: may cause lung damage if swallowed.
Skin contact	Acts as a defatting agent on skin. May cause cracking of skin, and eczema., Prolonged or repeated exposure may cause severe irritation.
Eye contact	May cause severe irritation to eyes.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Harmful to aquatic organisms., May cause long term adverse effects in the aquatic 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.
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### 12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
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### 12.4. Mobility in soil

Mobility:	The product contains substances, which are water soluble and may spread in water systems.
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### 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

14.1. UN number

UN No. (ADR/RID/ADN)	1993
UN No. (IMDG)	1993
UN No. (ICAO)	1993

14.2. UN proper shipping name

Proper Shipping Name: FLAMMABLE LIQUID, NOS (mixed aliphatic/aromatic hydrocarbons)

14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
IMDG Class	3

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant No

14.6. Special precautions for user

Tunnel Restriction Code D/

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).
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., CHIP for everyone HSG (108). 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

EU Legislation	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.
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

The following risk phrases relate to the raw materials in the product and not the product itself:-

#### Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision Date 01/02/2013

Revision 12

Risk Phrases In Full R10 Flammable., R20 Harmful by inhalation., R36/37/38 Irritating to eyes, respiratory system and skin., R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.| R10 Flammable., R66 Repeated exposure may cause skin dryness or cracking., R65 Harmful: may cause lung damage if swallowed.| R22 Harmful if swallowed., R38 Irritating to skin., R41 Risk of serious damage to eyes.| R38 Irritating to skin., R41 Risk of serious damage to eyes.| R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment., R66 Repeated exposure may cause skin dryness or cracking., R67 Vapours may cause drowsiness and dizziness., R65 Harmful: may cause lung damage if swal|

Hazard Statements In Full	H226	Flammable liquid and vapour.
	H302	Harmful if swallowed.
	H304	May be fatal if swallowed and enters airways.
	H315	Causes skin irritation.
	H318	Causes serious eye damage.
	H319	Causes serious eye irritation.
	H332	Harmful if inhaled.
	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
	H411	Toxic to aquatic life with long lasting effects.