



# SELPEN S

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 22/02/2019

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Version: 10.0

SELPEN S

FO05

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : SELPEN S  
Product code : F005  
Type of product : Solvents

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Solvent based cleaner

##### 1.2.2. Uses advised against

No additional information available

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

**SELDEN RESEARCH LIMITED** STADEN LANE, BUXTON, DERBYSHIRE, SK17 9RZ, UNITED KINGDOM  
Tel: 01298 26226 Fax: 01298 26540 Email: safety@selden.co.uk

#### 1.4. Emergency telephone number

Emergency number : Mon to Fri 8.30am to 5.00pm - 01298 26226

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226

Eye Irrit. 2 H319

Asp. Tox. 1 H304

Full text of H-phrases: see section 16

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

Signal word (CLP) :

Danger

Hazardous ingredients :

Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, Hydrocarbons, C9, aromatics

Hazard statements (CLP) :

H226 - Flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H319 - Causes serious eye irritation

Precautionary statements (CLP) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical, lighting, ventilating equipment  
P264 - Wash hands thoroughly after handling  
P280 - Wear eye protection  
P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P331 - Do NOT induce vomiting  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P370+P378 - In case of fire: Use foam to extinguish  
P403+P235 - Store in a well-ventilated place. Keep cool

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P405 - Store locked up

**2.3. Other hazards**

No additional information available

**SECTION 3: Composition/information on ingredients****3.1. Substance**

Not applicable

**3.2. Mixture**

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	(CAS No) 64742-48-9 (EC no) 918-481-9 (EC index no) 649-327-00-6 (REACH-no) 01-2119457273-39	>= 60	R10	Flam. Liq. 3, H226 Asp. Tox. 1, H304
Hydrocarbons, C9, aromatics	(CAS No) EC:918-668-5 (EC no) 918-668-5	5 - 15	R10	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether	(CAS No) Polymer_DT01	1 - 5	Xn; R22 Xi; R41	Acute Tox. 4 (Dermal), H312 Eye Dam. 1, H318

Full text of R- and H-phrases: see section 16

**SECTION 4: First aid measures****4.1. Description of first aid measures**

- First-aid measures general : Get medical advice/attention if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash with plenty of soap and water.
- First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get immediate medical advice/attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.

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

- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Repeated exposure may cause skin dryness or cracking.
- Symptoms/injuries after eye contact : Causes eye irritation.
- Symptoms/injuries after ingestion : May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

- Suitable extinguishing media : Carbon dioxide. Dry powder. Foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

- Fire hazard : Flammable liquid and vapour.

**5.3. Advice for firefighters**

No additional information available

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

- General measures : Remove ignition sources.

**6.1.1. For non-emergency personnel**

- Emergency procedures : Evacuate unnecessary personnel.

**6.1.2. For emergency responders**

- Protective equipment : Use personal protective equipment as required.

**6.2. Environmental precautions**

Avoid release to the environment.

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

For containment : Collect spillage.  
 Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.  
 Precautions for safe handling : Keep away from sources of ignition - No smoking.  
 Hygiene measures : Do not eat, drink or smoke when using this product.

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

Technical measures : Does not require any specific or particular technical measures.  
 Storage conditions : Store in a well-ventilated place. Keep container tightly closed.  
 Incompatible products : Oxidizing agent. Strong acids. Strong bases.  
 Incompatible materials : Direct sunlight. Heat sources. Sources of ignition.  
 Special rules on packaging : Keep only in original container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Materials for protective clothing : Not required for normal conditions of use  
 Hand protection : In case of repeated or prolonged contact wear gloves  
 Eye protection : Safety glasses  
 Skin and body protection : Not required for normal conditions of use  
 Respiratory protection : Not required for normal conditions of use



## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
 Appearance : Liquid.  
 Colour : amber.  
 Odour : characteristic.  
 Odour threshold : No data available  
 pH : 7  
 Relative evaporation rate (butylacetate=1) : No data available  
 Melting point : No data available  
 Freezing point : No data available  
 Boiling point : ≈ 150 °C  
 Flash point : ≈ 44 °C  
 Auto-ignition temperature : No data available  
 Decomposition temperature : No data available  
 Flammability (solid, gas) : Flammable  
 Vapour pressure : No data available  
 Relative vapour density at 20 °C : No data available  
 Relative density : 0,78  
 Solubility : No data available

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Log Pow	: No data available
Viscosity, kinematic	: < 20,5 mm <sup>2</sup> /s
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Flammable liquid and vapour.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No additional information available

**10.4. Conditions to avoid**

No flames, no sparks. Eliminate all sources of ignition.

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

No additional information available

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified pH: 7
Serious eye damage/irritation	: Causes serious eye irritation. pH: 7
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

**SELPEN S SOLVENT DEGREASER**

Viscosity, kinematic	< 20,5 mm <sup>2</sup> /s
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**SECTION 12: Ecological information****12.1. Toxicity****Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)**

LC50 fishes 1	> 1000 mg/l
EC50 other aquatic organisms 1	> 1000 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	> 1000 mg/l IC50 algae (72 h) mg/l

**Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether (Polymer\_DT01)**

LC50 fishes 1	> 10 - 100 mg/l
EC50 Daphnia 1	> 10 - 100 mg/l
ErC50 (other aquatic plants)	> 10 - 100 mg/l

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

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**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

No additional information available

**SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

**14.1. UN number**

UN-No. (ADR) : 1993  
 UN-No. (IMDG) : 1993  
 UN-No.(IATA) : 1993

**14.2. UN proper shipping name**

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.  
 Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S.  
 Proper Shipping Name (IATA) : FLAMMABLE LIQUID, N.O.S.  
 Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (MIXED ALIPHATIC & AROMATIC HYDROCARBONS), 3, III, (D/E)  
 Transport document description (IMDG) : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, III

**14.3. Transport hazard class(es)****ADR**

Transport hazard class(es) (ADR) : 3  
 Danger labels (ADR) : 3

**IMDG**

Transport hazard class(es) (IMDG) : 3  
 Danger labels (IMDG) : 3

**IATA**

Transport hazard class(es) (IATA) : 3  
 Hazard labels (IATA) : 3

**14.4. Packing group**

Packing group (ADR) : III  
 Packing group (IMDG) : III

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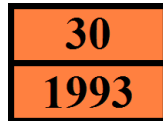
Packing group (IATA) : III

**14.5. Environmental hazards**

Dangerous for the environment : No  
 Marine pollutant : No  
 Other information : No supplementary information available

**14.6. Special precautions for user****- Overland transport**

Classification code (ADR) : F1  
 Special provisions (ADR) : 274, 601, 640E  
 Limited quantities (ADR) : 5L  
 Excepted quantities (ADR) : E1  
 Packing instructions (ADR) : P001, IBC03, LP01, R001  
 Mixed packing provisions (ADR) : MP19  
 Portable tank and bulk container instructions (ADR) : T4  
 Portable tank and bulk container special provisions (ADR) : TP1, TP29  
 Tank code (ADR) : LGBF  
 Vehicle for tank carriage : FL  
 Transport category (ADR) : 3  
 Special provisions for carriage - Packages (ADR) : V12  
 Special provisions for carriage - Operation (ADR) : S2  
 Hazard identification number (Kemler No.) : 30  
 Orange plates :



Tunnel restriction code (ADR) : D/E  
 EAC code : •3YE

**- Transport by sea**

Special provisions (IMDG) : 223, 274, 955  
 Limited quantities (IMDG) : 5 L  
 Excepted quantities (IMDG) : E1  
 Packing instructions (IMDG) : P001, LP01  
 IBC packing instructions (IMDG) : IBC03  
 Tank instructions (IMDG) : T4  
 Tank special provisions (IMDG) : TP1, TP29  
 EmS-No. (Fire) : F-E  
 EmS-No. (Spillage) : S-E  
 Stowage category (IMDG) : A

**- Air transport**

PCA Excepted quantities (IATA) : E1  
 PCA Limited quantities (IATA) : Y344  
 PCA limited quantity max net quantity (IATA) : 10L  
 PCA packing instructions (IATA) : 355  
 PCA max net quantity (IATA) : 60L  
 CAO packing instructions (IATA) : 366  
 CAO max net quantity (IATA) : 220L  
 Special provisions (IATA) : A3  
 ERG code (IATA) : 3L

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

IBC code : Not applicable.

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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. EU-Regulations**

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

**15.1.2. National regulations****Germany**

VwVwS Annex reference : Water hazard class (WGK) nwg, non-hazardous to water (Classification according to VwVwS, Annex 4)  
 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

**Denmark**

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed  
 Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

**15.2. Chemical safety assessment**

No additional information available

**SECTION 16: Other information**

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H318	Causes serious eye damage
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

SDS EU

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*