



SELCLEN S

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010
Date of issue: 04/09/2015 Revision date: 04/09/2015

Version: 10.1

SELCLEN S

F014

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

1.1. Product identifier

Product form : Mixture
Product name : SELCLEN S
Product code : F014
Type of product : Detergent, Technical product

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 : Hard surface 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

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]

Skin Corr. 1A H314
Eye Dam. 1 H318

Full text of classification categories and H statements : see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger
Hazardous ingredients : Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether, sodium hydroxide, caustic soda
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage
Precautionary statements (CLP) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective gloves
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

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Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether	(CAS No) Polymer_DT03	5 - 15	Xn; R22 Xi; R41	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Silicic acid (H ₂ SiO ₃), sodium salt (waterglass) (SiO ₂ :Na ₂ O : > 2.6)	(CAS No) 1344-09-8 (EC no) 215-687-4 (REACH-no) 01-2119448725-31	5 - 15	Xi; R36/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319
sodium hydroxide, caustic soda	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6 (REACH-no) 01-2119457892-27	1 - 5	C; R35	Skin Corr. 1A, H314

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. Take off immediately all contaminated clothing and wash it before reuse.
- 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 : Burns.
- Symptoms/injuries after eye contact : Causes serious eye damage.
- Symptoms/injuries after ingestion : Burns.

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.

5.2. Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Corrosive vapours.

5.3. Advice for firefighters

No additional information available

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

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**

- Precautions for safe handling : Avoid contact with skin and eyes.
- Hygiene measures : Do not eat, drink or smoke when using this product.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Does not require any specific or particular technical measures.
Storage conditions	: Keep container closed when not in use.
Incompatible products	: Oxidizing agent. Strong acids.
Incompatible materials	: Metals.
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**

sodium hydroxide, caustic soda (1310-73-2)		
Denmark	Local name	Natriumhydroxid
Denmark	Grænseværdie (langvarig) (mg/m ³)	2 mg/m ³
Denmark	Anmærkninger (DK)	L
Ireland	Local name	Sodium hydroxide
Ireland	OEL (15 min ref) (mg/m ³)	2 mg/m ³
United Kingdom	Local name	Sodium hydroxide
United Kingdom	WEL STEL (mg/m ³)	2 mg/m ³

8.2. Exposure controls

Materials for protective clothing	: Not required for normal conditions of use
Hand protection	: Protective 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	: Green.
Odour	: sharp.
Odour threshold	: No data available
pH	: 13.2
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.06
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

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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

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

metals.

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	: Causes severe skin burns and eye damage. pH: 13.2
Serious eye damage/irritation	: Causes serious eye damage. pH: 13.2
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	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether (Polymer_DT03)	
LC50 fishes 1	> 10 - 100 mg/l
EC50 Daphnia 1	> 10 - 100 mg/l
ErC50 (other aquatic plants)	> 10 - 100 mg/l
Silicic acid (H₂SiO₃), sodium salt (waterglass) (SiO₂:Na₂O : > 2.6) (1344-09-8)	
LC50 fishes 1	260 mg/l
EC50 other aquatic organisms 1	1700 mg/l EC50 waterflea (48 h)
EC50 other aquatic organisms 2	207 mg/l IC50 algae (72 h) mg/l
sodium hydroxide, caustic soda (1310-73-2)	
LC50 fishes 1	> 35 mg/l
EC50 other aquatic organisms 1	> 33 mg/l
EC50 other aquatic organisms 2	IC50 algae (72 h) mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

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sodium hydroxide, caustic soda (1310-73-2)

Log Pow	-3.88
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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)	: 1760
UN-No. (IMDG)	: 1760
UN-No.(IATA)	: 1760

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (IATA)	: CORROSIVE LIQUID, N.O.S.
Transport document description (ADR)	: UN 1760 CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE, SODIUM METASILICATE), 8, III, (E)
Transport document description (IMDG)	: UN 1760 CORROSIVE LIQUID, N.O.S., 8, III

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

Transport hazard class(es) (ADR)	: 8
Danger labels (ADR)	: 8

**IMDG**

Transport hazard class(es) (IMDG)	: 8
Danger labels (IMDG)	: 8

**IATA**

Transport hazard class(es) (IATA)	: 8
Hazard labels (IATA)	: 8



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14.4. Packing group

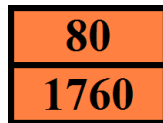
Packing group (ADR)	: III
Packing group (IMDG)	: III
Packing group (IATA)	: III

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)	: C9
Special provisions (ADR)	: 274
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)	: T7
Portable tank and bulk container special provisions (ADR)	: TP1, TP28
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	:



Tunnel restriction code (ADR)	: E
EAC code	: 2X
APP code	: B

- Transport by sea

Special provisions (IMDG)	: 223, 274
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP28
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A

- Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3
ERG code (IATA)	: 8L

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

IBC code : Not applicable.

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

Detergent Regulation : Ingredient data sheet:

Component	CAS No	%
AQUA	7732-18-5	>=10%
Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether	Polymer_DT03	1 - 10%
SODIUM SILICATE	1344-09-8	1 - 10%
SODIUM CITRATE	68-04-2	1 - 10%
SODIUM HYDROXIDE	1310-73-2	1 - 10%
TETRASODIUM GLUTAMATE DIACETATE	51981-21-6	1 - 10%
Sodium capryliminodipropionate	94441-92-6	1 - 10%
SODIUM GLUCONATE	527-07-1	0.1 - 1%
Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether	Polymer_DT01	0.1 - 1%
DECYLAMINE OXIDE	2605-79-0	0.1 - 1%
Parfum	PARFUM	<0.1%
CI 61570	4403-90-1	<0.1%
CI 18965	6359-98-4	<0.1%

Detergent Regulation : Labelling of contents:

Component	%
amphoteric surfactants, non-ionic surfactants	<5%
perfumes	

15.1.2. National regulations**Germany**

VwVwS Annex reference : Water hazard class (WGK) 1, slightly 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

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 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation

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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