

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Revision date: 15/12/2023 Version: 10.51

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

## **1.1. Product identifier**

Product form	: Mixture
Trade name	: C3S - THE SOLUTION ALL PURPOSE DEGREASER
UFI	: KVQ8-M0XQ-Y006-PP5Y
Product code	: C3S-SOL
Type of product	: Detergent

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

#### 1.2.1. Relevant identified uses

Main use category Industrial/Professional use spec Use of the substance/mixture : Professional use

: For professional use only

: Cleaners for kitchen areas

#### 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

Email: safety@selden.co.uk

#### SELDEN EUROPE B.V.

WATERMOLEN 13 6229 PM MAASTRICHT NEDERLAND Tel: +31 (0) 43 363 42 89 Email: sds@selden.eu

1.4. Emergency telephone number				
Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1	H314
Serious eye damage/eye irritation, Category 1	H318
Full tout of LL, and FLUL statements, and another 40	

Full text of H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

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Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Hazard pictograms (CLP)	
	GHS05
Signal word (CLP)	: Danger
Contains	: sodium hydroxide; caustic soda
Hazard statements (CLP)	: H314 - Causes severe skin burns and eye damage.
Precautionary statements (CLP)	: P260 - Do not breathe 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 or shower.
	P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P315 - Get immediate medical advice/attention.
	P405 - Store locked up.

### 2.3. Other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

# SECTION 3: Composition/information on ingredients

# 3.1. Substances

### Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alcohol Alkoxylate	CAS-No.: 166736-08-9 REACH-no: Exempt/Polymer	5 – 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Hexyl glucoside	CAS-No.: 54549-24-5 EC-No.: 259-217-6 REACH-no: 01-2119492545- 29	1 – 5	Eye Dam. 1, H318
sodium hydroxide; caustic soda substance with national workplace exposure limit(s) (IE, GB)	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892- 27	1 – 5	Skin Corr. 1A, H314
N,N-dimethyldecylamine N-oxide	CAS-No.: 2605-79-0 EC-No.: 220-020-5 REACH-no: 01-2119959297- 22	0.1 – 1	Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2, H411 Acute Tox. 4 (Oral), H302

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Specific concentration limits:		
Name	Product identifier	Specific concentration limits
Alcohol Alkoxylate	CAS-No.: 166736-08-9 REACH-no: Exempt/Polymer	( 1 <c 10)="" 2,="" eye="" h319<br="" irrit.="" ≤="">( 10 <c 1,="" 100)="" <="" dam.="" eye="" h318<="" td=""></c></c>
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	( 0.5 ≤C < 2) Skin Irrit. 2, H315 ( 0.5 ≤C < 2) Eye Irrit. 2, H319 ( 2 ≤C < 5) Skin Corr. 1B, H314 ( 5 ≤C ≤ 100) Skin Corr. 1A, H314

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general First-aid measures after inhalation	<ul><li>Get medical advice/attention if you feel unwell.</li><li>Remove person to fresh air and keep comfortable for breathing.</li></ul>
First-aid measures after skin contact	: Wash skin with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention.
First-aid measures after eye contact	<ul> <li>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.</li> <li>Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.</li> </ul>
4.2. Most important symptoms and effe	<b>°</b> . <i>'</i>
Symptoms/effects after inhalation Symptoms/effects after skin contact Symptoms/effects after eye contact Symptoms/effects after ingestion	<ul> <li>May cause respiratory irritation.</li> <li>Burns.</li> <li>Causes serious eye damage.</li> <li>Burns.</li> </ul>

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

Treat symptomatically.

SECTION 5: Firefighting measure	S	
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		

SECTION 6: Accidental release measures			
6.1. Personal precautions, protect	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.			
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6.3. Methods and material for containment and cleaning up	
For containment Methods for cleaning up	<ul> <li>Collect spillage.</li> <li>Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.</li> </ul>
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 stora	ge
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	<ul><li>Avoid contact with skin and eyes.</li><li>Do not eat, drink or smoke when using this product.</li></ul>
7.2. Conditions for safe storage, in	cluding any incompatibilities
Technical measures	: Does not require any specific or particular technical measures.
Storage conditions Incompatible products	<ul><li>Keep container closed when not in use.</li><li>Oxidizing agent. Strong acids.</li></ul>
Incompatible materials Special rules on packaging	: Metals. : 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

8.1.1 National occupational exposure and biological limit values

sodium hydroxide; caustic soda (1310-73-2)		
Ireland - Occupational Exposure Limits		
Local name Sodium hydroxide		
DEL STEL 2 mg/m <sup>3</sup>		
United Kingdom - Occupational Exposure Limits		
Local name Sodium hydroxide		
WEL STEL (OEL STEL) 2 mg/m <sup>3</sup>		

### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Appropriate engineering controls:

No special requirements.

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#### 8.2.2. Personal protection equipment

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

Eye protection: Safety glasses. ISO 16321-1

### 8.2.2.2. Skin protection

Skin and body protection: Not required for normal conditions of use

#### Hand protection:

Chemical resistant gloves (according to European standard ISO 374-1 or equivalent). Nitrile rubber gloves

#### Other skin protection

Materials for protective clothing: Not required for normal conditions of use

8.2.2.3. Respiratory protection

#### Respiratory protection:

Not required for normal conditions of use

#### 8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

## **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties

Physical state	: Liqui	Ч
Colour	: Yello	
Appearance	: Liqui	
Odour		u. Irless.
Odour threshold		available
Melting point		available
Freezing point		available
Boiling point	: ≥ 10	
Flammability		available
Explosive limits	: Not a	available
Lower explosive limit (LEL)	: Not a	available
Upper explosive limit (UEL)	: Not a	available
Flash point	: Not a	available
Auto-ignition temperature	: Not a	available
Decomposition temperature	: Not a	available
рН	: 13.1	
Viscosity, kinematic	: Not a	available
Solubility	: solut	ole in water.
Partition coefficient n-octanol/water (Log Kow)	: Not a	available
Vapour pressure	: Not a	available
Vapour pressure at 50°C	: Not a	available
Density	: Not a	available
Relative density	: 1.1	
Relative vapour density at 20°C	: Not a	available
Particle size	: Not a	applicable
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Particle size distribution	: Not applicable
Particle shape	: Not applicable
Particle aspect ratio	: Not applicable
Particle aggregation state	: Not applicable
Particle agglomeration state	: Not applicable
Particle specific surface area	: Not applicable
Particle dustiness	: Not applicable

#### 9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability** 

Stable under normal conditions.

**10.3. Possibility of hazardous reactions** 

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### **10.5. Incompatible materials**

metals.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# **SECTION 11: Toxicological information**

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified : Not classified : Not classified
Skin corrosion/irritation	: Causes severe skin burns. pH: 13.1
Serious eye damage/irritation	: Causes serious eye damage. pH: 13.1
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

## 11.2. Information on other hazards

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 12: Ecological information			
12.1. Toxicity			
Hazardous to the aquatic environment, short-term : Not classified (acute) Hazardous to the aquatic environment, long-term : Not classified (chronic)			
Alcohol Alkoxylate (166736-08-9)			
LC50 - Fish [1]	10 – 100 mg/l		
EC50 - Crustacea [1]	10 – 100 mg/l		
ErC50 other aquatic plants	10 – 100 mg/l		
Hexyl glucoside (54549-24-5)			
LC50 - Fish [1]	420 mg/l		
EC50 - Other aquatic organisms [1] 490 mg/l waterflea			
EC50 - Other aquatic organisms [2] 180 mg/l			
sodium hydroxide; caustic soda (1310-73-2)			
LC50 - Fish [1] > 35 mg/l			
EC50 - Other aquatic organisms [1]	> 33 mg/l waterflea		
N,N-dimethyldecylamine N-oxide (2605-79-0)			
LC50 - Fish [1]	> 10 mg/l		
EC50 - Other aquatic organisms [1]	4.4 mg/l waterflea		
EC50 - Other aquatic organisms [2]	0.11 mg/l		
12.2. Persistence and degradability			
No additional information available			
12.3. Bioaccumulative potential			
Hexyl glucoside (54549-24-5)	Hexyl glucoside (54549-24-5)		
Partition coefficient n-octanol/water (Log Pow)	1.7		
sodium hydroxide; caustic soda (1310-73-2)			
Partition coefficient n-octanol/water (Log Pow)	-3.88		
N,N-dimethyldecylamine N-oxide (2605-79-0)			
Partition coefficient n-octanol/water (Log Pow)	3.69		
12.4. Mobility in soil			

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

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SECTION 13: Disposal considerations	5
13.1. Waste treatment methods	
Regional waste regulation Waste treatment methods Product/Packaging disposal recommendations European List of Waste (LoW, EC 2000/532)	<ul> <li>Dispose of in accordance with relevant local regulations.</li> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Dispose in a safe manner in accordance with local/national regulations.</li> <li>20 01 29* - detergents containing dangerous substances</li> </ul>

# SECTION 14: Transport information

### In accordance with ADR / IMDG / IATA

14.1. UN number or ID number	
UN-No. (ADR) UN-No. (IMDG) UN-No. (IATA)	: UN 1760 : UN 1760 : UN 1760
14.2. UN proper shipping name	
Proper Shipping Name (ADR) Proper Shipping Name (IMDG) Proper Shipping Name (IATA) Transport document description (ADR) Transport document description (IMDG) Transport document description (IATA)	<ul> <li>CORROSIVE LIQUID, N.O.S.</li> <li>CORROSIVE LIQUID, N.O.S.</li> <li>Corrosive liquid, n.o.s.</li> <li>UN 1760 CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE), 8, III, (E)</li> <li>UN 1760 CORROSIVE LIQUID, N.O.S., 8, III</li> <li>UN 1760 Corrosive liquid, n.o.s., 8, III</li> </ul>
14.3. Transport hazard class(es)	
ADR Transport hazard class(es) (ADR) Danger labels (ADR)	

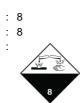
#### IMDG

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

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Transport hazard class(es) (IATA) Danger labels (IATA)



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## 14.4. Packing group

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

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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)	: 51
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	
	<b>80</b> <b>1760</b>
Tunnel restriction code (ADR)	: E
EAC code	: 2X
APP code	: B
Transport by sea	
Special provisions (IMDG)	: 223, 274
Limited quantities (IMDG)	: 5L
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
14.7. Maritime transport in bulk according t	o IMO instruments

14.7. Maritime transport in bulk according to IMO instruments

IBC code

: Not applicable.

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### **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 substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors) CESIO recommendations : The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this

assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Other information, restriction and prohibition regulations

: Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 and all its amendments and modifications. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 and all its amendments and modifications. Detergent Regulation (648/2004).

Detergent Regulation (648/2004/EC): Labelling of contents:	
Component	%
non-ionic surfactants	5-15%
amphoteric surfactants	<5%

#### 15.1.2. National regulations

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No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

Data sources

: 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. Detergent Regulation (648/2004).

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye 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.
H400	Very toxic to aquatic life.

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Full text of H- and EUH-statements:	
H411	Toxic to aquatic life with long lasting effects.
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Skin Corr. 1	H314	On basis of test data
Eye Dam. 1	H318	Expert judgement

Safety Data Sheet (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.