SAFETY DATA SHEET
SOLUCLEAR

Date: JUN 2022
Revision: 7

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product name: Solu-Clear **Product code:** Solu-clear
1.2 Relevant identified uses of the substance/mixture and uses advised against
Sanitising detergent for hard surfaces.
1.3 Details of the supplier of the safety data sheet
SUPPLIER: Cleaning Warehouse LTD
Unit A10, The Square, Greenogue Business Park,
Rathcoole, D24 H512
TEL: 01-9602663
EMAIL: info@cleaningwarehouse.ie
1.4 Emergency telephone number
Tel: 01 809 2166 (8am to 10pm every day)

2. Hazards identification

2.1 Classification of the substance or mixture
Classification under CLP Regs.: Eye dam 1, H318; Skin Irrit. 2 H315; Aquatic acute 1 H400; Aquatic chronic 3 H412

2.2 Label elements
Label elements under CLP:
Contains: Ethoxylated alcohol, Alkyldimethylbenzylammonium chloride, Didecyldimethylammonium chloride
Hazard pictograms: GHS05; GHS09

Signal Word: Danger
Hazard Statements: H318: Causes serious eye damage. H315: Causes skin irritation. H400: Very toxic to aquatic life. H412: Harmful to aquatic life with long lasting effects.
Precautionary statements: PREVENTION: Wear protective gloves, clothing and eye protection. Wash hands thoroughly after handling. Avoid release into the environment.
RESPONSE: IF ON SKIN (or hair)**:** Wash immediately with soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Immediately call a POISON CENTRE or doctor/physician. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse. Collect spillage.
DISPOSAL: Dispose of contents/ container to licenced site.
2.3 Other hazards
PBT: this material does not contain any substance identified as a PBT or vPvB substance

3. Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Hazardous ingredients:

CAS	EINECS	Classification CLP	Concentration %w/w
Sodium carbonate (REACH Reg. No.(01-2119485498-19)			
497-19-8	207-838-8	Eye irrit. 2 H319	5-10
Ethoxylated alcohol C9/11 6EO			
68439-45-2		Acute tox. 4 H302; Eye dam. 1 H318	2-5
Alkyldimethylbenzylammonium chloride			
68424-85-1	270-325-2	Acute tox.4 H302, Skin corr.1B H314; Aquatic acute H400; Aquatic chr. 1 H410	1-3
Didecyldimethylammonium chloride			
7173-51-5	230-525-2	Acute tox. 3 H301, Skin corr 1B H314, Aquatic acute H400; Aquatic chr. 2 H411	1-3
Propan-2-ol			
67-63-0		Flam. Liq. 2 H225; Eye irrit. 2 H319; STOT SE3 H336	0-1

See section 16 for full text of H statements

4. First aid measures

4.1 Description of first aid measures

Eye contact: Flush with clean water for at least 15 minutes. Seek medical advice.

Skin contact: Remove at once all contaminated clothing. Wash area with soap and water. Seek medical advice if irritation persists.

Ingestion: DO NOT induce vomiting. Give plenty of water to drink and seek immediate medical attention.

Inhalation: Remove from exposure and keep at rest. Seek medical attention if any symptoms persist.

4.2 Most important symptoms and effects both acute and delayed

No further relevant information.

4.3 Indication of any immediate medical attention and special treatment needed

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Product is not flammable although irritating fumes may be given off in the event of fire. Choice of extinguisher should be based on other surrounding materials.

Unsuitable agents:

5.2 Special hazards arising from the substance or mixture

Oxides of carbon and other irritant or toxic fumes may be produced.

5.3 Advice for fire fighters

Wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Follow any advice on protective equipment in section 8.

6.2 Environmental precautions

Do not allow concentrate to enter drains or watercourses. Significant spill or uncontrolled discharge should be notified to the appropriate authorities.

6.3 Methods and material for containment and cleaning up

Small spillages may be rinsed away with plenty of water. Larger spillages should be contained and absorbed in inert material. Transfer to plastic container for disposal.

6.4 Reference to other sections

See section 8 for protective clothing

See section 7 for safe handling

See section 13 for disposal.

7. Handling and storage

7.1 Precautions for safe handling
No special measures.
7.2 Conditions for safe storage, including any incompatibilities
Store in original container, tightly closed in a cool place.
7.3 Specific end use
See section 1.2

8. Exposure controls/personal protection

8.1 Control parameters
Substances assigned Workplace Exposure Limits

Name	type	Long term (8hrTWA)	Short term (15mins)
Propan-2-ol	WEL	400ppm	500ppm

DNEL Alkyldimethylbenzylammonium chloride

Exposure	Value	Population	Effect
Dermal	5.7mg/kg/day	workers	Long term
Inhalation	3.96mg/m^3	workers	Long term

PNEC Alkyldimethylbenzylammonium chloride: Fresh water 0.0009mg/l; Marine water 0.00009mg/l; STP 0.4mg/l; Soil 7mg/kg

DNEL Sodium carbonate

Exposure	Value	Population	Effect
Inhalation	10mg/m^3	workers	Long term

8.2 Exposure controls
Wear rubber gloves if skin contact is unavoidable. Wear eye protection to prevent liquid splashes if necessary. Avoid inhalation of spray mist.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
Appearance: Clear colourless liquid
Odour: Floral
Density at 20°C: 1.0kg/ltr
Solubility: Completely soluble in water.
pH: 10 Approx.
Flash point: N/A
Boiling point/range:100°C
Oxidising:
9.2 Other information

10.Stability and reactivity

10.1 Reactivity
Not reactive under normal conditions.
10.2 Chemical stability
Stable under normal conditions
10.3 Possibility of hazardous reactions
None known.
10.4 Conditions to avoid
Elevated temperatures for prolonged periods.

10.5 Incompatible materials
Strong acids, alkalis and oxidising agents.
10.6 Hazardous decomposition products
Oxides of carbon and other irritant or toxic fumes may be produced on thermal decomposition.

11.Toxicological information

11.1 Information on toxicological effects.
Eyes: Irritation, redness and watering.
Skin:Irritation on prolonged contact.
Ingestion:Sore throat and mouth, abdominal pain, vomiting.
Inhalation (mist): Coughing, shortness of breath, irritation to membranes of nose and throat.
Acute toxicity of ingredients: Didecyldimethyl ammonium chloride LD_{50} 238mg/kg (oral, rat)
Propan-2-ol LD_{50} 4700mg/kg (oral, rat); Alkyldimethylbenzylammonium chloride LD_{50} 200 – 2000mg/kg (oral, rat).

12.Ecological information

12.1 Toxicity
Aquatic toxicity of ingredients.
Didecyldimethylammonium chloride LC_{50} 0.19mg/l (Fathead minnow, 96hrs) EC50 0.011-0.099 mg/l (Daphnia, 48h);
Propan-2-ol LC_{50} 9600mg/l (fathead minnow, 96h)
Alkyldimethylbenzylammonium chloride LC_{50} 0.01 – 0.1mg/l (fish)
12.2 Persistence and degradability
Ultimately biodegradable.
12.3 Bioaccumulative potential
Not known.
12.4 Mobility in soil
Soluble in water.
12.5 Results of PBT and vPvB assessment
Does not contain any substances classified as PBTor vPvB.
12.6 Other adverse effects

13.Disposal considerations

13.1 Waste treatment methods
Comply with local regulations. Do not allow concentrate to enter water systems.

14.Transport information

14.1 UN Number
Not classified as hazardous for transport.
14.2 UN Proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
14.6 Special precautions for user

15.Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture
Detergents Regulations 2004/648/EC
Contains less than 5% disinfectants; non-ionic surfactants, perfumes.
15.2 Chemical safety assessment
A chemical safety assessment has not been carried out for this product.

16.Other information

This safety data sheet has been prepared according to EU Commission Regulation 453/2010
The information supplied in this document is based on our present state of knowledge and is given in good faith. It is not intended and should not be construed as a specification or guarantee of specific properties. The responsibility remains with the user to comply with all relevant laws, regulations and directives, to make their own assessment of workplace risks and to determine the suitability of the product for a particular use or application.

The hazards information in this data sheet refers to the material as supplied and not to any subsequent dilution or mixture.
The full text of the H statements referred to in section 3 are shown below. These classifications apply to the ingredients, in their concentrated form, which contribute to the classification of the product or mixture.

H225: Highly flammable liquid and vapour
H301: Toxic if swallowed.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H400: Very toxic to aquatic life.
H410: Very toxic to aquatic life with long lasting effects.
H411: Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

ADR	**European Agreement concerning the International Carriage of Goods by Road**
CAS	**Chemical Abstracts Service**
CHIP	**Chemicals (Hazard Information and Packaging) Regulations – Directives 1999/45.EC and 67/548/EC**
CLP	**Classification and Labelling of Chemicals – Regulation (EC) No. 1272/2008**
CMR	**Carcinogenic-mutagenic-toxic for reproduction**
DNEL	**Derived No Effect Level**
EINECS	**European Inventory of Existing Commercial Chemical Substances**
GHS	**Globally Harmonised System of Classification and Labelling of Chemicals**
IATA	**International Air Transport Association**
IMDG	**International Maritime Dangerous Goods Code**
LC50	**Lethal Concentration, 50%**
LD50	**Lethal Dose, 50%**
NOEC	**No Observed Effect Concentration**
OEL	**Occupational Exposure Limit**
PBT	**Persistent, Bioaccumulative, Toxic**
PNEC	**Predicted No Effect Concentration**
vPvB	**very Persistent, very Bioaccumulative**
RID	**Convention concerning International Carriage by Rail**
WEL	**Workplace Exposure Limit**
VOC	**Volatile Organic Compound**