



THE SOLUTION MULTI SURFACE CLEANER

CODE : V200

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : THE SOLUTION MULTI SURFACE CLEANER
UFI : S5R3-K05D-100E-PH3Q
Product code : V200
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 : Professional use
Industrial/Professional use spec : For professional use only
Use of the substance/mixture : All-purpose 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

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1.4. Emergency telephone number

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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 2 H315
Serious eye damage/eye irritation, Category 2 H319
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning
Hazard statements (CLP) : H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

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Precautionary statements (CLP) : P264 - Wash hands thoroughly after handling.
 P280 - Wear eye protection, protective gloves.
 P302+P352 - IF ON SKIN: Wash with plenty of soap, water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

No additional information available

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] |
|--|--|-------|--|
| Hexyl glucoside | (CAS-No.) 54549-24-5 (EC-No.) 259-217-6 (REACH-no) 01-2119492545-29 | 1 – 5 | Eye Dam. 1, H318 |
| N,N-dimethyltetradecylamine N-oxide | (CAS-No.) 3332-27-2 (EC-No.) 222-059-3 (REACH-no) 01-2119949262-37 | 1 – 5 | Skin Irrit. 2, H315 Eye Dam. 1, H318 |
| 2-aminoethanol; ethanolamine substance with national workplace exposure limit(s) (IE, GB); substance with a Community workplace exposure limit | (CAS-No.) 141-43-5 (EC-No.) 205-483-3 (EC Index-No.) 603-030-00-8 (REACH-no) 01-2119486455-28 | 1 – 5 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Corr. 1B, H314 |
| Alcohol Alkoxylate | (CAS-No.) 166736-08-9 (REACH-no) Exempt/Polymer | 1 – 5 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 |
| Benzenesulphonic acid, mono-C10-14-alkyl derivs., sodium salts | (CAS-No.) 85117-50-6 (EC-No.) 285-600-2 | 1 – 5 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|------------------------------|--|--|
| 2-aminoethanol; ethanolamine | (CAS-No.) 141-43-5 (EC-No.) 205-483-3 (EC Index-No.) 603-030-00-8 (REACH-no) 01-2119486455-28 | (5 ≤C ≤ 100) STOT SE 3, H335 |
| Alcohol Alkoxylate | (CAS-No.) 166736-08-9 (REACH-no) Exempt/Polymer | (1 <C ≤ 10) Eye Irrit. 2, H319 (10 <C < 100) Eye Dam. 1, H318 |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
 First-aid measures after skin contact : Wash skin with plenty of water.

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First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Give nothing or a little water to drink. Get medical advice/attention if you feel unwell.

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

No additional information available

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

No additional information available

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 eyes.

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 : Keep container closed when not in use.

Incompatible products : Oxidizing agent. Strong acids. Strong bases.

Special rules on packaging : Keep only in original container.

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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

| 2-aminoethanol; ethanolamine (141-43-5) | |
|---|--|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | 2-Aminoethanol |
| IOEL TWA | 2.5 mg/m ³ |
| IOEL TWA [ppm] | 1 ppm |
| IOEL STEL | 7.6 mg/m ³ |
| IOEL STEL [ppm] | 3 ppm |
| Notes | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |
| Ireland - Occupational Exposure Limits | |
| Local name | 2-Aminoethanol [Ethanolamine] |
| OEL TWA [1] | 2.5 mg/m ³ |
| OEL TWA [2] | 1 ppm |
| OEL STEL | 7.6 mg/m ³ |
| OEL STEL [ppm] | 3 ppm |
| Notes (IE) | Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference | Chemical Agents Code of Practice 2020 |
| United Kingdom - Occupational Exposure Limits | |
| Local name | 2-Aminoethanol |
| WEL TWA (OEL TWA) [1] | 2.5 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 1 ppm |
| WEL STEL (OEL STEL) | 7.6 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 3 ppm |
| Remark (WEL) | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

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

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. EN 166

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 EN 374 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 | : Liquid |
| Appearance | : Liquid. |
| Colour | : Blue. |
| Odour | : Pine. |
| Odour threshold | : No data available |
| pH | : 10.5 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : ≥ 100 °C |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |

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| | |
|---|---------------------|
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : 1.07 |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| 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

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

None under normal use.

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 toxicological effects

| | |
|-----------------------------------|--|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Skin corrosion/irritation | : Causes skin irritation. pH: 10.5 |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: 10.5 |
| 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 |

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SECTION 12: Ecological information**12.1. Toxicity**

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

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 |

N,N-dimethyltetradecylamine N-oxide (3332-27-2)

| | |
|------------------------------------|---------------------|
| LC50 - Fish [1] | 2.4 mg/l |
| EC50 - Other aquatic organisms [1] | 2.64 mg/l waterflea |
| EC50 - Other aquatic organisms [2] | 0.19 mg/l |

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 |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential**Hexyl glucoside (54549-24-5)**

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 1.7 |
|---|-----|

N,N-dimethyltetradecylamine N-oxide (3332-27-2)

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 2.7 |
|---|-----|

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

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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

14.1 UN number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not applicable
IMDG
Transport hazard class(es) (IMDG) : Not applicable
IATA
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

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

No data available

Transport by sea

No data available

Air transport

No data available

14.7. Transport in bulk according to Annex II of Marpol and the 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 REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

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Allergenic fragrances > 0,01%:

LINALOOL
BUTYLPHENYL METHYLPROPIONAL

Detergent Regulation (648/2004/EC): Labelling of contents:

| Component | % |
|-----------------------------|-------|
| non-ionic surfactants | 5-15% |
| anionic surfactants | <5% |
| perfumes | |
| LINALOOL | |
| BUTYLPHENYL METHYLPROPIONAL | |

15.1.2. National regulations

United Kingdom

British National Regulations

: Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
Detergent Regulation (648/2004/EC).

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|----------------------------------|--|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 4 |
| 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. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |

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Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| | | |
|---------------|------|-----------------------|
| Skin Irrit. 2 | H315 | Calculation method |
| Eye Irrit. 2 | H319 | On basis of test data |

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.