



SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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Roof Cleaner Detergent

Revision 8

Revision date 2022-11-17

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

1.1. Product identifier

| | |
|--------------|------------------------|
| Product name | Roof Cleaner Detergent |
| Product code | QAFS757 |

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

| | |
|-------------|--|
| Product Use | [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; ----- [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); |
| Description | Roof Cleaner. |

1.3. Details of the supplier of the safety data sheet

| | |
|---------------------------------------|---|
| Company | Superfine Manufacturing Ltd |
| Address | Orchardbank Industrial Estate Forfar Angus Scotland DD8 1TD |
| Web | www.superfine.co.uk |
| Telephone | Tel: 01307 463538 |
| Fax | Fax: 01307 468505 |
| Email address of the competent person | nigel@superfine.co.uk |

1.4. Emergency telephone number

| | |
|----------------------------|---|
| Emergency telephone number | 01307 463538 8.30am to 17.00pm For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice) If you are a healthcare professional with an enquiry please visit www.TOXBASE.org |
|----------------------------|---|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------------------------------|--|
| 2.1.2. Classification - EC 1272/2008 | Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 2: H411; |
|--------------------------------------|--|

2.2. Label elements

| | |
|-------------------|---|
| Hazard pictograms |   |
|-------------------|---|

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2.2. Label elements

| | |
|-------------------------------------|---|
| Signal Word | Danger |
| Hazard Statement | Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. |
| Precautionary Statement: Prevention | P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | 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. P310 - Immediately call a POISON CENTER/doctor/ . P363 - Wash contaminated clothing before reuse. |
| Precautionary Statement: Disposal | P501 - Dispose of contents/container to an approved disposal site, in accordance with local regulations. |
| SUPPLEMENTAL HAZARD INFORMATION | Ingredients as required by Regulation (EC) No 648/2004:. Ingredients - 15 - 30% Cationic Surfactant. Contains - Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides. |

2.3. Other hazards

| | |
|---------------|--|
| Other hazards | This substance/mixture is not classified as PBT or vPvB according to current criteria. The substance/mixture does not contain substances with endocrine disrupting properties. |
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Further information

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|--|--|
| | RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY. |
|--|--|

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|---|-----------|------------|-----------|---------------------------|--------------|--|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | | 68424-85-1 | 939-350-2 | 01-2119970550-39 | 10 - 20% | Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |

Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides, CAS No. 68424-85-1 - M Factor (Acute) = 10, M Factor (Chronic) = 1.

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | Move the exposed person to fresh air. |
| Eye contact | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. |
| Skin contact | Remove contaminated clothing. Wash off immediately with plenty of soap and water. |
| Ingestion | DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Drink plenty of water to dilute ingested product. |

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

| | |
|--------------|---|
| Inhalation | Causes burns. |
| Eye contact | Causes burns. Risk of serious damage to eyes. |
| Skin contact | Causes burns. |
| Ingestion | Causes burns. |

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

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

| | |
|--------------|--|
| Inhalation | Move the exposed person to fresh air. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Seek medical attention. Show this safety data sheet to the doctor in attendance. |
| Eye contact | Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Seek medical attention. Show this safety data sheet to the doctor in attendance. |
| Skin contact | Remove contaminated clothing immediately. Rinse immediately with plenty of water. Seek medical attention. Show this safety data sheet to the doctor in attendance. |
| Ingestion | Drink 1 to 2 glasses of water. Seek medical attention. Show this safety data sheet to the doctor in attendance. |

General information

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| | If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically. |
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SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
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| | This product is not flammable . Use fire-extinguishing media appropriate for surrounding materials. |
|--|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

5.3. Advice for firefighters

| | |
|--|--|
| | Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and full turnout gear. |
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Further information

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| | In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|--|---|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|--|-------------------------------------|
| | Wear suitable protective equipment. |
|--|-------------------------------------|

6.2. Environmental precautions

| | |
|--|---|
| | Advise local authorities if large spills cannot be contained. |
|--|---|

6.3. Methods and material for containment and cleaning up

| | |
|--|--|
| | For large spills:. Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. For small spills:. Flush down the drain with plenty of water. |
|--|--|

6.4. Reference to other sections

| | |
|--|--|
| | See section 2, 7, 8, 13 for further information. |
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
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| | Avoid contact with eyes and skin. Do not breathe vapours or spray mist. Adopt best Manual Handling considerations when handling, carrying and dispensing. |
|--|---|

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--|---|
| | Store in a cool, dry area. Keep container tightly closed. Keep out of the reach of children. Store in original container. |
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7.3. Specific end use(s)

| | |
|--|---------------|
| | Roof Cleaner. |
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Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure controls.
No workplace exposure limits applicable.

DNEL: Derived no-effect level.


Exposure Pattern - Workers

| | |
|---|--|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Long-term - inhalation - Systemic effects 3.96 mg/m ³ |
| | Long-term - dermal - Systemic effects 5.7 mg/kg |

Exposure Pattern - General population

| | |
|---|--|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Long-term - inhalation - Systemic effects 1.64 bw/day |
| | Long-term - dermal - Systemic effects 3.4 mg/kg Long-term - oral - Systemic effects 3.4 mg/kg |

8.2. Exposure controls

| | |
|---|--|
| 8.2.1. Appropriate engineering controls Eye / face protection Skin protection - Handprotection Respiratory protection 8.2.3. Environmental exposure controls |  |
| | Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection. |
| | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location. |
| | Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields. |
| | Rubber gloves. |
| | No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment. |
| | Prevent further leakage or spillage if safe to do so. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

| | |
|-----------------------------------|---------------------------------|
| Appearance | Liquid |
| Colour | Colourless |
| Odour | Characteristic |
| Odour threshold | No data available |
| pH | 6 - 7 |
| Melting point | No data available |
| Initial boiling point | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Vapour pressure | No data available |
| Relative Vapour Density | No data available |
| Density / Relative Density | 0.992 - 1.002 g/cm ³ |
| Partition coefficient | No data available |
| Autoignition temperature | No data available |
| Viscosity | < 50 centipoise |
| Explosive properties | No data available |
| Oxidising properties | No data available |
| Solubility | Soluble in water |

9.2. Other information

| | |
|---|-------------------|
| Conductivity | No data available |
| Surface tension | No data available |
| Gas group | No data available |
| Benzene Content | No data available |
| Lead content | No data available |
| VOC (Volatile organic compounds) | No data available |

9.2.1. Information with regard to physical hazard classes

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

9.2.2. Other safety characteristics

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.3. Possibility of hazardous reactions

| | |
|--|--|
| | Strong acids. Strong oxidising agents. |
|--|--|

10.4. Conditions to avoid

| | |
|--|---------------------|
| | Protect from frost. |
|--|---------------------|

10.5. Incompatible materials

| | |
|--|-------------------------------|
| | No incompatible groups noted. |
|--|-------------------------------|

10.6. Hazardous decomposition products

| | |
|--|--|
| | No Hazardous decomposition products when stored and handled correctly. Burning produces irritating, toxic and obnoxious fumes. |
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SECTION 11: Toxicological information

11.1 Information on hazard classes

| | |
|-----------------------------------|---|
| Acute toxicity | This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP). based on available data the classification criteria are not met. Oral ATE = 2650 mg/kg. |
| Skin corrosion/irritation | Skin Corrosion 1B. H314 - Causes severe skin burns and eye damage. |
| Serious eye damage/irritation | Causes serious eye damage. |
| Respiratory or skin sensitisation | based on available data the classification criteria are not met. |
| Germ cell mutagenicity | based on available data the classification criteria are not met. |
| Carcinogenicity | based on available data the classification criteria are not met. |
| Reproductive toxicity | based on available data the classification criteria are not met. |
| STOT-single exposure | based on available data the classification criteria are not met. |
| STOT-repeated exposure | based on available data the classification criteria are not met. |
| Aspiration hazard | based on available data the classification criteria are not met. |
| Repeated or prolonged exposure | based on available data the classification criteria are not met. |

11.1.2. Mixtures

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

11.1.3. Hazard Information

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

11.1.4. Toxicological Information

| | | |
|---|---------------------------|--------------------------------|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Oral Rat LD50: 397.5mg/kg | Dermal Rabbit LD50: 3412 mg/kg |
|---|---------------------------|--------------------------------|

11.2 Information on other hazards

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

SECTION 12: Ecological information

12.1. Toxicity

| | | |
|---|---------------------------------------|--|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Daphnia EC50/48h: 0.0160 mg/l | Fish LC50/96h: 0.5150 mg/l |
| | Sheephead minnows LC50/96h: 1.28 mg/l | Lepomis_Macrochirus LC50/96h: 0.515 mg/l |

12.2. Persistence and degradability

| | |
|--|--|
| | Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines. |
|--|--|

12.3. Bioaccumulative potential

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

Partition coefficient

| | |
|--|--|
| | Roof Cleaner Detergent No data available |
|--|--|

12.4. Mobility in soil

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| | |
|--|--|

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12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

This substance/mixture is not classified as PBT or vPvB according to current criteria.

12.6 Endocrine disrupting properties

No data is available on this product.

12.7. Other adverse effects

No data is available on this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

General information

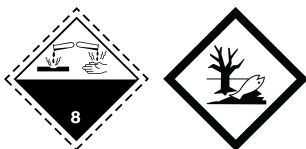
Dispose of in compliance with all local and national requirements.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN1760

14.2. UN proper shipping name

CORROSIVE LIQUID, N.O.S. (Mixture containing Alkyl Dimethyl Benzyl Ammonium Chloride)

14.3. Transport hazard class(es)

| | |
|-----------------|---|
| ADR/RID | 8 |
| Subsidiary risk | - |
| IMDG | 8 |
| Subsidiary risk | - |
| IATA | 8 |
| Subsidiary risk | - |

14.4. Packing group

| | |
|---------------|----|
| Packing group | II |
|---------------|----|

14.5. Environmental hazards

| | |
|-----------------------|-----|
| Environmental hazards | Yes |
| Marine pollutant | Yes |

14.6. Special precautions for user

No additional special precautions.

14.7 Maritime Transport in bulk according to IMO instruments

Not applicable.

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ADR/RID

| | |
|-----------------|-----|
| Hazard ID | 80 |
| Tunnel Category | (E) |

IMDG

| | |
|----------|---------|
| EmS Code | F-A S-B |
|----------|---------|

IATA

| | |
|---------------------------------|------|
| Packing Instruction (Cargo) | 855 |
| Maximum quantity | 30 L |
| Packing Instruction (Passenger) | 851 |
| Maximum quantity | 1 L |

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

| | |
|-------------|--|
| Regulations | <p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).</p> |
|-------------|--|

15.2. Chemical safety assessment

| | |
|--|---------------------------|
| | No information available. |
|--|---------------------------|

SECTION 16: Other information

Other information

| | |
|----------|---|
| Revision | <p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 2 - Other hazards. 2 - Further information. 2 - SUPPLEMENTAL HAZARD INFORMATION. 3 - 3.2. Mixtures. 5 - 5.3. Advice for firefighters. 8 - 8.1. Control parameters. 9 - 9.2.2. Other safety characteristics. 9 - 9.2.1. Information with regard to physical hazard classes. 10 - 10.2. Chemical stability. 10 - 10.1. Reactivity. 11 - Acute toxicity. 11 - Repeated or prolonged exposure. 11 - 11.1 Information on hazard classes. 11 - 11.2 Information on other hazards. 12 - 12.5. Results of PBT and vPvB assessment. 12 - 12.6 Endocrine disrupting properties. 12 - 12.7. Other adverse effects. |
|----------|---|

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Other information

| | |
|--|---|
| Data sources | 15 - Regulations. 16 - Data sources. |
| | Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008, as retained and amended in UK law. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. - Calculation Method. Aquatic Acute 1: H400 - Very toxic to aquatic life. - Classification Report, M Factor (Acute) = 10, M Factor (Chronic) = 1. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. - Calculation Method. |
| Text of Hazard Statements in Section 3 | Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. |

Further information

| | |
|--|--|
| | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. |
|--|--|