



## Enhance Spot & Stain Remover

Revision: 2022-11-10

Version: 04.3

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

#### 1.1 Product identifier

**Trade name:** Enhance Spot & Stain Remover

UFI: NAG6-P04X-U00D-VWY2

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

**Product use:** Carpet / Upholstery cleaner.  
For professional use only.

**Uses advised against:** Uses other than those identified are not recommended.

#### SWED - Sector-specific worker exposure description :

AISE\_SWED\_PW\_11\_1  
AISE\_SWED\_PW\_19\_1

#### 1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

#### Contact details

Diversey Ltd  
Weston Favell Centre, Northampton NN3 8PD, United Kingdom  
Tel: 01604 405311, Fax: 01604 406809  
Regulatory Email: customerservice.uk@diversey.com

#### 1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)  
For medical or environmental emergency only:  
call 0800 052 0185

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Not classified as hazardous

#### 2.2 Label elements

**Hazard statements:**  
EUH210 - Safety data sheet available on request.

#### 2.3 Other hazards

No other hazards known.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

| Ingredient(s)  | EC number | CAS number | REACH number     | Classification   | Notes | Weight percent |
|--|-----------|------------|------------------|--|-------|----------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | 287-809-4 | 85586-07-8 | 01-2119489463-28 | Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318)<br>Aquatic Chronic 3 (H412) |       | 1-3            |

#### Specific concentration limits

sulphuric acid, mono-C12-14-alkyl esters, sodium salts:  
• Eye Dam. 1 (H318) >= 20% > Eye Irrit. 2 (H319) >= 10%

Workplace exposure limit(s), if available, are listed in subsection 8.1.  
ATE, if available, are listed in section 11.

## Enhance Spot &amp; Stain Remover

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|  |   |
|--|---|
| <b>Inhalation:</b>                     | Get medical attention or advice if you feel unwell.   |
| <b>Skin contact:</b>                   | Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.  |
| <b>Eye contact:</b>                    | Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.  |
| <b>Ingestion:</b>                      | Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell. |
| <b>Self-protection of first aider:</b> | Consider personal protective equipment as indicated in subsection 8.2.  |

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

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | No known effects or symptoms in normal use. |
| <b>Skin contact:</b> | No known effects or symptoms in normal use. |
| <b>Eye contact:</b>  | No known effects or symptoms in normal use. |
| <b>Ingestion:</b>    | No known effects or symptoms in normal use. |

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

### 5.2 Special hazards arising from the substance or mixture

No special hazards known.

### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

### 6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

### 6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

### 6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Measures to prevent fire and explosions:

No special precautions required.

#### Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

#### Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Do not mix with other products unless advised by Diversey. Do not breathe spray.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Keep only in original packaging. For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

### 7.3 Specific end use(s)

No specific advice for end use available.

## SECTION 8: Exposure controls/personal protection

## Enhance Spot &amp; Stain Remover

### 8.1 Control parameters Workplace exposure limits

Air limit values, if available:

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

#### DNEL/DMEL and PNEC values

##### Human exposure

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

| Ingredient(s)  | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | -                          | -                             | -                         | 24                           |

DNEL/DMEL dermal exposure - Worker

| Ingredient(s)  | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|--|----------------------------|--|---------------------------|---|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | -                          | -  | -                         | 4060                                    |

DNEL/DMEL dermal exposure - Consumer

| Ingredient(s)  | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|--|----------------------------|--|---------------------------|---|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | -                          | -  | -                         | 2440                                    |

DNEL/DMEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

| Ingredient(s)  | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | -                          | -                             | -                         | 285                          |

DNEL/DMEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

| Ingredient(s)  | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|--|----------------------------|-------------------------------|---------------------------|------------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | -                          | -                             | -                         | 85                           |

#### Environmental exposure

Environmental exposure - PNEC

| Ingredient(s)  | Surface water, fresh (mg/l) | Surface water, marine (mg/l) | Intermittent (mg/l) | Sewage treatment plant (mg/l) |
|--|-----------------------------|------------------------------|---------------------|-------------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | 0.131                       | 0.013                        | 0.036               | 1.35                          |

Environmental exposure - PNEC, continued

| Ingredient(s)  | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg) | Air (mg/m <sup>3</sup> ) |
|--|------------------------------|--------------------------|--------------|--------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | 4.61                         | 0.461                    | 0.846        | -                        |

### 8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

**Appropriate engineering controls:** Provide a good standard of general ventilation.  
**Appropriate organisational controls:** No special requirements under normal use conditions.

#### REACH use scenarios considered for the undiluted product:

|                           | SWED - Sector-specific worker exposure description | LCS | PROC    | Duration (min) | ERC   |
|---------------------------|--|-----|---------|----------------|-------|
| Trigger spray application | AISE_SWED_PW_11_1                                  | PW  | PROC 11 | 60             | ERC8a |
| Manual application        | AISE_SWED_PW_19_1                                  | PW  | PROC 19 | 480            | ERC8a |

#### Personal protective equipment

**Eye / face protection:** Safety glasses are not normally required. However, their use is recommended in those cases where

## Enhance Spot &amp; Stain Remover

|   |  |
|---|--|
| <b>Hand protection:</b>                 | splashes may occur when handling the product (EN 166).   |
| <b>Body protection:</b>                 | No special requirements under normal use conditions.   |
| <b>Respiratory protection:</b>          | No special requirements under normal use conditions.<br>Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available. |
| <b>Environmental exposure controls:</b> | No special requirements under normal use conditions.   |

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Information in this section refers to the product, unless it is specifically stated that substance data is listed

|   | Method / remark                                |
|---|--|
| <b>Physical state:</b> Liquid                                       |  |
| <b>Colour:</b> Milky , White  |  |
| <b>Odour:</b> Product specific                                      |  |
| <b>Odour threshold:</b> Not applicable                              |  |
| <b>Melting point/freezing point (°C):</b> Not determined            | Not relevant to classification of this product |
| <b>Initial boiling point and boiling range (°C):</b> Not determined | See substance data                             |

Substance data, boiling point

| Ingredient(s)  | Value (°C) | Method           | Atmospheric pressure (hPa) |
|--|------------|------------------|----------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | > 100      | Method not given |                            |

|  | Method / remark |
|--|-----------------|
| <b>Flammability (solid, gas):</b> Not applicable to liquids  |                 |
| <b>Flammability (liquid):</b> Not flammable.   |                 |
| <b>Flash point (°C):</b> Not applicable.   |                 |
| <b>Sustained combustion:</b> Not applicable.<br>( UN Manual of Tests and Criteria, section 32, L.2 ) |                 |
| <b>Lower and upper explosion limit/flammability limit (%):</b> Not determined                        |                 |

Substance data, flammability or explosive limits, if available:

|   | Method / remark |
|---|-----------------|
| <b>Autoignition temperature:</b> Not determined               |                 |
| <b>Decomposition temperature:</b> Not applicable.             |                 |
| <b>pH:</b> ≈ 6 (neat)   | ISO 4316        |
| <b>Kinematic viscosity:</b> Not determined                    |                 |
| <b>Solubility in / Miscibility with water:</b> Fully miscible |                 |

Substance data, solubility in water

| Ingredient(s)  | Value (g/l) | Method           | Temperature (°C) |
|--|-------------|------------------|------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | Soluble     | Method not given |                  |

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

|  | Method / remark    |
|--|--------------------|
| <b>Vapour pressure:</b> Not determined | See substance data |

Substance data, vapour pressure

| Ingredient(s)  | Value (Pa)        | Method | Temperature (°C) |
|--|-------------------|--------|------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | No data available |        |                  |

|   | Method / remark                                |
|---|--|
| <b>Relative density:</b> ≈ 1.00 (20 °C)             | OECD 109 (EU A.3)                              |
| <b>Relative vapour density:</b> No data available.  | Not relevant to classification of this product |
| <b>Particle characteristics:</b> No data available. | Not applicable to liquids.                     |

**9.2 Other information****9.2.1 Information with regard to physical hazard classes**

**Explosive properties:** Not explosive.  
**Oxidising properties:** Not oxidising.  
**Corrosion to metals:** Not corrosive

**9.2.2 Other safety characteristics**

No other relevant information available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal storage and use conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

None known under normal use conditions.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Mixture data:

**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): >2000

**Skin irritation and corrosivity**

**Result:** Not corrosive or irritant **Species:** Not applicable **Method:** Weight of evidence

**Eye irritation and corrosivity**

**Result:** Not corrosive or irritant **Species:** Not applicable. **Method:** Weight of evidence

Substance data, where relevant and available, are listed below:

**Acute toxicity**

Acute oral toxicity

| Ingredient(s)  | Endpoint         | Value (mg/kg) | Species | Method           | Exposure time (h) | ATE (mg/kg) |
|--|------------------|---------------|---------|------------------|-------------------|-------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | LD <sub>50</sub> | > 1800        | Rat     | Method not given |                   | 120000      |

Acute dermal toxicity

| Ingredient(s)  | Endpoint         | Value (mg/kg) | Species | Method           | Exposure time (h) | ATE (mg/kg) |
|--|------------------|---------------|---------|------------------|-------------------|-------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | LD <sub>50</sub> | > 2000        | Rabbit  | Method not given |                   | 170000      |

Acute inhalative toxicity

| Ingredient(s)  | Endpoint | Value (mg/l)      | Species | Method | Exposure time (h) |
|--|----------|-------------------|---------|--------|-------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts |          | No data available |         |        |                   |

Acute inhalative toxicity, continued

| Ingredient(s)  | ATE - inhalation, dust (mg/l) | ATE - inhalation, mist (mg/l) | ATE - inhalation, vapour (mg/l) | ATE - inhalation, gas (mg/l) |
|--|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | Not established               | Not established               | Not established                 | Not established              |

**Irritation and corrosivity**

Skin irritation and corrosivity

| Ingredient(s)  | Result   | Species | Method            | Exposure time |
|--|----------|---------|-------------------|---------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | Irritant | Rabbit  | OECD 404 (EU B.4) |               |

Eye irritation and corrosivity

| Ingredient(s)  | Result        | Species | Method            | Exposure time |
|--|---------------|---------|-------------------|---------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | Severe damage | Rabbit  | OECD 405 (EU B.5) |               |

## Enhance Spot &amp; Stain Remover

## Respiratory tract irritation and corrosivity

| Ingredient(s)  | Result            | Species | Method | Exposure time |
|--|-------------------|---------|--------|---------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | No data available |         |        |               |

## Sensitisation

## Sensitisation by skin contact

| Ingredient(s)  | Result          | Species    | Method                   | Exposure time (h) |
|--|-----------------|------------|--------------------------|-------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | Not sensitising | Guinea pig | OECD 406 (EU B.6) / GPMT |                   |

## Sensitisation by inhalation

| Ingredient(s)  | Result            | Species | Method | Exposure time |
|--|-------------------|---------|--------|---------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | No data available |         |        |               |

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

## Mutagenicity

| Ingredient(s)  | Result (in-vitro)                                   | Method (in-vitro)                               | Result (in-vivo)                                    | Method (in-vivo)   |
|--|---|---|---|--------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | No evidence for mutagenicity, negative test results | OECD 471 (EU B.12/13) OECD 476 (Mouse lymphoma) | No evidence for mutagenicity, negative test results | OECD 474 (EU B.12) |

## Carcinogenicity

| Ingredient(s)  | Effect   |
|--|--|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | No evidence for carcinogenicity, negative test results |

## Toxicity for reproduction

| Ingredient(s)  | Endpoint | Specific effect                               | Value (mg/kg bw/d) | Species | Method                   | Exposure time | Remarks and other effects reported |
|--|----------|---|--------------------|---------|--------------------------|---------------|------------------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | NOEL     | Teratogenic effects<br>Developmental toxicity | 250                | Rat     | OECD 414 (EU B.31), oral |               |                                    |

## Repeated dose toxicity

## Sub-acute or sub-chronic oral toxicity

| Ingredient(s)  | Endpoint | Value (mg/kg bw/d) | Species | Method             | Exposure time (days) | Specific effects and organs affected |
|--|----------|--------------------|---------|--------------------|----------------------|--------------------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | NOAEL    | 488                |         | OECD 408 (EU B.26) | 90                   |                                      |

## Sub-chronic dermal toxicity

| Ingredient(s)  | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|--|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts |          | No data available  |         |        |                      |                                      |

## Sub-chronic inhalation toxicity

| Ingredient(s)  | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|--|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts |          | No data available  |         |        |                      |                                      |

## Chronic toxicity

| Ingredient(s)  | Exposure route | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time | Specific effects and organs affected | Remark |
|--|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts |                |          | No data available  |         |        |               |                                      |        |

## STOT-single exposure

| Ingredient(s)  | Affected organ(s) |
|--|-------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | No data available |

## STOT-repeated exposure

| Ingredient(s)  | Affected organ(s) |
|--|-------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | No data available |

## Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

**Potential adverse health effects and symptoms**

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

Endocrine disrupting properties - Human data, if available:

**11.2.2 Other information**

No other relevant information available.

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

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

**Aquatic short-term toxicity**

Aquatic short-term toxicity - fish

| Ingredient(s)  | Endpoint         | Value (mg/l) | Species | Method            | Exposure time (h) |
|--|------------------|--------------|---------|-------------------|-------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | LC <sub>50</sub> | 3.6          | Fish    | OECD 203 (EU C.1) | 96                |

Aquatic short-term toxicity - crustacea

| Ingredient(s)  | Endpoint         | Value (mg/l) | Species | Method         | Exposure time (h) |
|--|------------------|--------------|---------|----------------|-------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | EC <sub>50</sub> | 4.7          | Daphnia | 84/449/EEC, C2 | 48                |

Aquatic short-term toxicity - algae

| Ingredient(s)  | Endpoint                       | Value (mg/l) | Species       | Method                     | Exposure time (h) |
|--|--------------------------------|--------------|---------------|----------------------------|-------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | E <sub>r</sub> C <sub>50</sub> | > 20         | Not specified | 88/302/EEC, Part C, static | 72                |

Aquatic short-term toxicity - marine species

| Ingredient(s)  | Endpoint | Value (mg/l)      | Species | Method | Exposure time (days) |
|--|----------|-------------------|---------|--------|----------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts |          | No data available |         |        |                      |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s)  | Endpoint         | Value (mg/l) | Inoculum | Method             | Exposure time |
|--|------------------|--------------|----------|--------------------|---------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | EC <sub>10</sub> | 1084         | Bacteria | DIN 38412 / Part 8 | 16 hour(s)    |

**Aquatic long-term toxicity**

Aquatic long-term toxicity - fish

| Ingredient(s)  | Endpoint | Value (mg/l) | Species                    | Method   | Exposure time | Effects observed |
|--|----------|--------------|----------------------------|----------|---------------|------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | NOEC     | 1.357        | <i>Pimephales promelas</i> | OECD 210 | 34 day(s)     |                  |

Aquatic long-term toxicity - crustacea

| Ingredient(s)  | Endpoint | Value (mg/l) | Species            | Method           | Exposure time | Effects observed |
|--|----------|--------------|--------------------|------------------|---------------|------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | NOEC     | 0.508        | <i>Daphnia sp.</i> | Method not given | 7 day(s)      |                  |

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

| Ingredient(s)  | Endpoint | Value (mg/kg dw sediment) | Species | Method | Exposure time (days) | Effects observed |
|--|----------|---------------------------|---------|--------|----------------------|------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts |          | No data available         |         |        |                      |                  |

**Terrestrial toxicity**

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

## Enhance Spot &amp; Stain Remover

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

## 12.2 Persistence and degradability

### Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

### Biodegradation

Ready biodegradability - aerobic conditions

| Ingredient(s)  | Inoculum                  | Analytical method | DT <sub>50</sub>   | Method    | Evaluation            |
|--|---------------------------|-------------------|--------------------|-----------|-----------------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | Activated sludge, aerobic | Oxygen depletion  | > 90% in 28 day(s) | OECD 301D | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

### 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log K<sub>ow</sub>)

| Ingredient(s)  | Value   | Method           | Evaluation                  | Remark |
|--|---------|------------------|-----------------------------|--------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | < -2.42 | Method not given | No bioaccumulation expected |        |

Bioconcentration factor (BCF)

| Ingredient(s)  | Value             | Species | Method | Evaluation | Remark |
|--|-------------------|---------|--------|------------|--------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | No data available |         |        |            |        |

### 12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

| Ingredient(s)  | Adsorption coefficient Log K <sub>oc</sub> | Desorption coefficient Log K <sub>oc</sub> (des) | Method | Soil/sediment type | Evaluation |
|--|--|--|--------|--------------------|------------|
| sulphuric acid, mono-C12-14-alkyl esters, sodium salts | No data available                          |  |        |                    |            |

### 12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

### 12.6 Endocrine disrupting properties

Endocrine disrupting properties - Environmental effects, if available:

### 12.7 Other adverse effects

No other adverse effects known.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Waste from residues / unused products:**

**European Waste Catalogue:**

**Empty packaging**

**Recommendation:**

**Suitable cleaning agents:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.  
20 01 30 - detergents other than those mentioned in 20 01 29.

Dispose of observing national or local regulations.

Water, if necessary with cleaning agent.

## SECTION 14: Transport information



## Enhance Spot &amp; Stain Remover

**Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)**

- 14.1 UN number: Non-dangerous goods  
 14.2 UN proper shipping name: Non-dangerous goods  
 14.3 Transport hazard class(es): Non-dangerous goods  
 14.4 Packing group: Non-dangerous goods  
 14.5 Environmental hazards: Non-dangerous goods  
 14.6 Special precautions for user: Non-dangerous goods  
 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-dangerous goods

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Regulation (EC) 648/2004 - Detergents regulation (UK amended)
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

**Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII):** Not applicable.

**Ingredients according to Detergents Regulation**

anionic surfactants < 5 %  
 perfumes , Hexyl Cinnamal

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Comah - classification:** Not classified

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on the mixture

**SECTION 16: Other information**

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**SDS code:** MSDS7197

**Version:** 04.3

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**Reason for revision:**

This data sheet contains changes from the previous version in section(s): 1, 6, 8, 9, 11, 15, 16, Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006

**Classification procedure**

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

**Full text of the H and EUH phrases mentioned in section 3:**

- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H412 - Harmful to aquatic life with long lasting effects.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage

**Enhance Spot & Stain Remover**

- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

**End of Safety Data Sheet**