

Safety Data Sheet



Revision Date 29-Aug-2018
Version 1.02

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

1.1 Product identifier

Product name Degrease-All

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

Recommended Use Professional Degreaser

1.3 Details of the supplier of the safety data sheet

Supplier Legend Brands Europe
ProRestore Products
22 Plover Close Interchange Park
Newport Pagnell MK16 9PS, UK
+44 (0) 1908 611211

For further information, please contact: sds@legendbrands.com

1.4 Emergency telephone number

Emergency telephone number INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

Europe 112
Austria +43 1 406 43 43
Belgium Poison center (BE): +32 70 245 245
Denmark Poison Control Hotline (DK): +45 82 12 12 12
Finland Poison Information Centre (FI): +358 9 471 977
France ORFILA (FR): + 01 45 42 59 59
Germany Poison Center Berlin (DE): +49 030 30686 790
Poison Center Nord: +49 551 19240 (24h available English / German)
Ireland National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566
Iceland +354 543 2222
Italy Poison Center, Milan (IT): +39 02 6610 1029
Luxembourg 112
Netherlands National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway Poisons Information (NO): + 47 22 591300
Portugal Poison Information Center (PT): +351 21 330 3284
Spain Poison Information Service (ES): +34 91 562 04 20
Sweden Poisons Information Center (SV): +46 8 33 12 31
Switzerland Poison Center: Tel 145; +41 44 251 51 51
United Kingdom 111 / 0300 020 0155

2. Hazards identification

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

| | |
|------------------------------------------|---------------------|
| Skin corrosion/irritation | Category 1 - (H314) |
| Serious eye damage/eye irritation | Category 1 - (H318) |
| Chronic aquatic toxicity | Category 3 - (H412) |

2.2 Label elements



Signal Word
Danger

Hazard Statements

H314 - Causes severe skin burns and eye damage
H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P280 - Wear eye protection/ face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Contains Ethoxylated alcohols, C9-C11, Sodium Metasilicate

2.3. Other Hazards

No information available

3. Composition/information on ingredients

3.1 Substances

This product is a mixture. Health hazard information is based on its components.

3.2 Mixtures

| Chemical Name | EC-No | CAS No. | Weight-% | Classification (1272/2008/EC) | REACH Registration Number |
|---------------------------------|-----------|---------------|----------|------------------------------------------------------------------------------------------------------------------|---------------------------|
| 2-(2-BUTOXYETHOXY)ETHANOL | 203-961-6 | 112-34-5 | 10 - 25 | Eye Irrit. 2 (H319) | 01-2119475104-44-XX XX |
| Ethoxylated alcohols, C9-C11 | - | 68439-46-3-LB | 2.5 - 10 | Skin Irrit. 2 (H315) Eye Dam. 1 (H318) | no data available |
| Sodium Metasilicate | 229-912-9 | 6834-92-0 | 1 - 2.5 | Skin Corr. 1B (H314) STOT SE 3 (H335) | no data available |
| Ammonium hydroxide | 215-647-6 | 1336-21-6 | < 1 | Skin Corr. 1B (H314) Aquatic Acute 1 (H400) | no data available |
| Ethylene glycol monobutyl ether | 203-905-0 | 111-76-2 | < 1 | Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) | 01-2119475108-36-XX XX |

For the full text of the H-Statements mentioned in this Section, see Section 16

4. First Aid Measures

4.1 Description of first-aid measures

| | |
|---------------------|------------------------------------------------------------------------------------------------|
| Inhalation | Move to fresh air. |
| Skin contact | Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to physician | Treat symptomatically. |
|---------------------------|------------------------|

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions. Mixture reacts slowly with water resulting in evolution of CO₂. Evolution of CO₂ in closed containers causes overpressure and produces a risk of bursting.

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas.

Advice for emergency responders

For personal protection see section 8.

6.2 Environmental precautions

See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up

| | |
|--------------------------------|-------------------------------------------------------|
| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
|--------------------------------|-------------------------------------------------------|

Methods for cleaning up Take up mechanically and collect in suitable container for disposal.

6.4 Reference to other sections

See section 8 for more information.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end uses

Specific use(s)

No information available

Exposure scenario

No information available.

8. Exposure controls/personal protection

8.1 Control parameters

Exposure Limit Values

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical Name | European Union | Austria | Belgium | Denmark | Finland | France |
|---------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 2-(2-BUTOXYETHOXY)ETHANOL 112-34-5 | TWA: 10 ppm TWA: 67.5 mg/m ³ | STEL 15 ppm STEL 101.2 mg/m ³ TWA: 10 ppm TWA: 67.5 mg/m ³ | TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³ | TWA: 10 ppm TWA: 68 mg/m ³ | TWA: 10 ppm TWA: 68 mg/m ³ | TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³ |
| Ammonium hydroxide 1336-21-6 | | | | | STEL: 50 ppm STEL: 36 mg/m ³ | |
| Ethylene glycol monobutyl ether 111-76-2 | S* TWA 20 ppm TWA 98 mg/m ³ STEL 50 ppm STEL 246 mg/m ³ | Skin STEL 40 ppm STEL 200 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³ | TWA: 20 ppm TWA: 98 mg/m ³ S* STEL: 50 ppm STEL: 246 mg/m ³ | TWA: 20 ppm TWA: 98 mg/m ³ Skin | TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ Skin | TWA: 10 ppm TWA: 49 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ |
| Chemical Name | Germany | Iceland | Ireland | Italy | Luxembourg | The Netherlands |
| 2-(2-BUTOXYETHOXY)ETHANOL 112-34-5 | TWA: 10 ppm TWA: 67 mg/m ³ | TWA: 10 ppm TWA: 67.5 mg/m ³ Ceiling: 20 ppm Ceiling: 135 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³ | TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³ | TWA: 10 ppm TWA: 67.5 mg/m ³ TWA: 66 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³ | S* STEL: 15 ppm STEL: 101.2 mg/m ³ TWA: 10 ppm TWA: 67.5 mg/m ³ | Skin STEL: 100 mg/m ³ TWA: 50 mg/m ³ |
| Ethylene glycol monobutyl ether 111-76-2 | TWA: 10 ppm TWA: 49 mg/m ³ Skin | TWA: 20 ppm TWA: 100 mg/m ³ TWA: 25 ppm S* Ceiling: 40 ppm Ceiling: 200 mg/m ³ Ceiling: 50 ppm STEL: 50 ppm STEL: 246 mg/m ³ | TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Skin | TWA: 20 ppm TWA: 98 mg/m ³ TWA: 97 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Skin | S* STEL: 50 ppm STEL: 246 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³ | Skin STEL: 246 mg/m ³ TWA: 100 mg/m ³ |
| Chemical Name | Norway | Portugal | Spain | Sweden | Switzerland | The United Kingdom |
| 2-(2-BUTOXYETHOXY)ETHANOL | TWA: 10 ppm | STEL: 15 ppm | STEL: 15 ppm | LLV: 15 ppm | STEL: 15 ppm | STEL: 15 ppm |

Degrease-All

| | | | | | | |
|------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Y)ETHANOL 112-34-5 | TWA: 68 mg/m ³ STEL: 20 ppm STEL: 102 mg/m ³ | STEL: 101.2 mg/m ³ TWA: 10 ppm TWA: 67.5 mg/m ³ | STEL: 101.2 mg/m ³ TWA: 10 ppm TWA: 67.5 mg/m ³ | LLV: 100 mg/m ³ STV: 30 ppm STV: 200 mg/m ³ | STEL: 101 mg/m ³ TWA: 10 ppm TWA: 67 mg/m ³ | STEL: 101.2 mg/m ³ TWA: 10 ppm TWA: 67.5 mg/m ³ |
| Ethylene glycol monobutyl ether 111-76-2 | TWA: 10 ppm TWA: 50 mg/m ³ Skin STEL: 20 ppm STEL: 75 mg/m ³ | STEL: 50 ppm STEL: 246 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³ | S* STEL: 50 ppm STEL: 245 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³ | LLV: 10 ppm LLV: 50 mg/m ³ S* STV: 20 ppm STV: 100 mg/m ³ | Skin STEL: 20 ppm STEL: 98 mg/m ³ TWA: 10 ppm TWA: 49 mg/m ³ | STEL: 50 ppm STEL: 246 mg/m ³ TWA: 25 ppm TWA: 123 mg/m ³ Skin |

TWA: Time weighted average
 STEL: Short term exposure limit
 LLV: Exposure Limit Values
 STV: Short Term Value

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

- Eye/Face Protection** Safety glasses with side-shields.
- Hand Protection** Protective gloves.
- Skin and body protection** Long sleeved clothing.
- Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls No information available.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|-----------------------|--------------------------|
| Physical state | Liquid |
| Appearance | Clear liquid |
| Color | Blue |
| Odor | Ammonia |
| Odor Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks</u> |
|------------------------------|------------------|--------------------------|
| pH | 12.5 | |
| Melting/freezing point | | No information available |
| Boiling point/boiling range | | No information available |
| Flash Point | | No information available |
| Evaporation rate | | No information available |
| Flammability (solid, gas) | | No information available |
| Flammability Limits in Air | | |
| upper flammability limit | | No information available |
| lower flammability limit | | No information available |
| Vapor pressure | | No information available |
| Vapor density | | No information available |
| Specific Gravity | 1.02 | |
| Water solubility | Soluble in water | |
| Solubility in other solvents | | No information available |
| Partition coefficient | | No information available |
| Autoignition temperature | | No information available |
| Decomposition temperature | | No information available |
| Viscosity, kinematic | | No information available |
| Viscosity, dynamic | | No information available |
| Explosive properties | | No information available |
| Oxidizing Properties | | No information available |

9.2 Other information

Volatile organic compounds (VOC) content Negligible

10. Stability and Reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to Avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible Materials

No materials to be especially mentioned

10.6 Hazardous Decomposition Products

None under normal use conditions.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product Information

The product itself has not been tested.

| | |
|---------------------|-----------------------------------------------|
| Inhalation | There are no data available for this product. |
| Eye contact | There are no data available for this product. |
| Skin contact | There are no data available for this product. |
| Ingestion | There are no data available for this product. |

The following values are calculated based on chapter 3.1 of the GHS document

| | |
|--------------------------------------|-----------------|
| ATEmix (oral) | 11,938.00 mg/kg |
| ATEmix (dermal) | 15,929.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 534.33 mg/l |
| ATEmix (inhalation-vapor) | 807.00 mg/l |

Unknown Acute Toxicity

- < 1% of the mixture consists of ingredient(s) of unknown toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------------------|--------------------|-------------------------|-----------------------|
| 2-(2-BUTOXYETHOXY)ETHANOL | 3384 mg/kg (Rat) | = 2700 mg/kg (Rabbit) | |
| Sodium Metasilicate | 600 mg/kg (Rat) | | |
| Ethylene glycol monobutyl ether | 470 mg/kg (Rat) | = 2000 mg/kg (Rabbit) | = 450 ppm (Rat) 4 h |

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

Specific target organ systemic toxicity (single exposure) No information available.

Specific target organ systemic toxicity (repeated exposure) No information available.

Aspiration hazard No information available.

12. Ecological information

12.1 Toxicity

4.68191 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates |
|---------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 2-(2-BUTOXYETHOXY)ETHANOL | EC50: 96 h <i>Desmodesmus subspicatus</i> 100 mg/L | LC50: 96 h <i>Lepomis macrochirus</i> 1300 mg/L static | EC50: 48 h <i>Daphnia magna</i> 100 mg/L |
| Sodium Metasilicate | | LC50: 96 h <i>Brachydanio rerio</i> 210 mg/L semi-static LC50: 96 h <i>Brachydanio rerio</i> 210 mg/L | |
| Ammonium hydroxide | | LC50: 96 h <i>Pimephales promelas</i> 8.2 mg/L | EC50: 48 h water flea 0.66 mg/L EC50: 48 h <i>Daphnia pulex</i> 0.66 mg/L |
| Ethylene glycol monobutyl ether | | LC50: 96 h <i>Lepomis macrochirus</i> 1490 mg/L static LC50: 96 h <i>Lepomis macrochirus</i> 2950 mg/L | EC50: 48 h <i>Daphnia magna</i> 1000 mg/L |

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

| Chemical Name | log Pow |
|---------------------------------|---------|
| Ethylene glycol monobutyl ether | 0.81 |

12.4 Mobility in soil

Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects.

No information available.

13. Disposal Considerations

13.1 Waste treatment methods

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Empty remaining contents.

14. Transport Information

ADR

| | |
|---------------------------|---|
| 14.1 UN | - |
| 14.2 Proper shipping name | - |
| 14.3 Hazard class | - |
| 14.4 Packing Group | - |
| 14.5 Environmental hazard | - |

| | |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------|
| 14.6 Special Provisions | - |
| IMDG | |
| 14.1 UN | 1760 |
| 14.2 Proper shipping name | CORROSIVE LIQUID, N.O.S. (AMMONIUM HYDROXIDE AND DISODIUM TRIOXOSILICATE) |
| 14.3 Hazard class | 8 |
| 14.4 Packing Group | III |
| 14.5 Marine pollutant | Not applicable |
| Environmental hazard | - |
| 14.6 Special Provisions | None |
| 14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code | No information available |

IATA

| | |
|----------------------------------|---|
| 14.1 UN | - |
| 14.2 Proper shipping name | - |
| 14.3 Hazard class | - |
| 14.4 Packing Group | - |
| 14.5 Environmental hazard | - |
| 14.6 Special Provisions | - |

| |
|-----------------------------------|
| 15. Regulatory information |
|-----------------------------------|

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**National regulatory information****Germany**

| Chemical Name | French RG number | Title |
|---------------------------------------------|------------------|-------|
| 2-(2-BUTOXYETHOXY)ETHANOL 112-34-5 | RG 84 | - |
| Ethylene glycol monobutyl ether 111-76-2 | RG 84 | - |

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)
This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

International Inventories

| | |
|----------------------|----------|
| TSCA | Complies |
| EINECS/ELINCS | Complies |
| DSL | Complies |
| PICCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| AICS | Complies |
| KECL | Complies |
| NZIoC | Complies |

Legend

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECS - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2 Chemical Safety Assessment

No information available

16. Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H332 - Harmful if inhaled
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H314 - Causes severe skin burns and eye damage
H400 - Very toxic to aquatic life
H335 - May cause respiratory irritation
H318 - Causes serious eye damage

Revision Date 29-Aug-2018

Revision Note Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet