

**MAX 25
Universal Degreaser**

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Revision No: 2

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** MAX 25 UNIVERSAL DEGREASER**Product code:** F-158**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** PC35: Washing and cleaning products (including solvent based products).**1.3. Details of the supplier of the safety data sheet****Company / Supplier:**

Universal Solutions

P.O. Box 936225

Margate, FL 33063

Tel: (800) 587-1894

Fax: (954) 604-4865

1.4. Emergency telephone number**Emergency tel:** +44 (0)208 804 1891 (office hours only)**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Eye Irrit. 2: H319**Most important adverse effects:** Causes serious eye irritation.**2.2. Label elements****Label elements:****Hazard statements:** H319: Causes serious eye irritation.**Signal words:** Warning**Hazard pictograms:** GHS07: Exclamation mark**Precautionary statements:** P280: Wear eye protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical advice.

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

REACTION PRODUCTS OF C12-18-(EVEN NUMBERED)-ALKYLAMINES AND ACRYLIC ACID AND SODIUM HYDROXIDE - REACH registered number(s): 01-2119980672-29-0000

| EINECS | CAS | PBT / WEL | CLP Classification | Percent |
|-----------|-----|-----------|--------------------|---------|
| 939-647-7 | - | - | Eye Irrit. 2: H319 | 1-10% |

ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

| | | | | |
|-----------|-------------|---|--------------------------------------|-------|
| 931-954-4 | 160901-19-9 | - | Acute Tox. 4: H302; Eye Dam. 1: H318 | 1-10% |
|-----------|-------------|---|--------------------------------------|-------|

3-BUTOXYPROPAN-2-OL

| | | | | |
|-----------|-----------|---|---|-------|
| 225-878-4 | 5131-66-8 | - | Eye Irrit. 2: H319; Skin Irrit. 2: H315 | 1-10% |
|-----------|-----------|---|---|-------|

C12-C15 ALCOHOL ETHOXYLATE WITH 3MEO

| | | | | |
|---|-------------|---|---|-----|
| - | 106232-83-1 | - | Aquatic Acute 1: H400; Eye Dam. 1: H318 | <1% |
|---|-------------|---|---|-----|

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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Section 5: Fire-fighting measures**5.1. Extinguishing media**

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage**7.1. Precautions for safe handling**

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

[cont...]

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8.1. Control parameters**Workplace exposure limits:** No data available.**DNEL/PNEC Values****DNEL / PNEC** No data available.**8.2. Exposure controls****Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.**Respiratory protection:** Respiratory protection not required.**Hand protection:** Protective gloves.**Eye protection:** Safety glasses. Ensure eye bath is to hand.**Skin protection:** Protective clothing.**Section 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****State:** Liquid**Colour:** Pale brown**Odour:** Characteristic odour**Oxidising:** Non-oxidising (by EC criteria)**Solubility in water:** Soluble**Relative density:** 1.010-1.030**pH:** 10.50-11.5**9.2. Other information****Other information:** No data available.**Section 10: Stability and reactivity****10.1. Reactivity****Reactivity:** Stable under recommended transport or storage conditions.**10.2. Chemical stability****Chemical stability:** Stable under normal conditions.**10.3. Possibility of hazardous reactions****Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.**10.4. Conditions to avoid****Conditions to avoid:** Heat.**10.5. Incompatible materials****Materials to avoid:** Strong oxidising agents. Strong acids.

[cont...]

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10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

REACTION PRODUCTS OF C12-18-(EVEN NUMBERED)-ALKYLAMINES AND ACRYLIC ACID AND SODIUM HYDROXIDE

| | | | | |
|--------|-----|------|--------|-------|
| DERMAL | RAT | LD50 | >5000 | mg/kg |
| ORAL | RAT | LD50 | 31,000 | mg/kg |

ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

| | | | | |
|--------|-----|------|-----------|-------|
| DERMAL | RAT | LD50 | >2000 | mg/kg |
| ORAL | RAT | LD50 | >300-2000 | mg/kg |

3-BUTOXYPROPAN-2-OL

| | | | | |
|-----|-----|------|------|-------|
| SKN | RBT | LD50 | 3100 | mg/kg |
|-----|-----|------|------|-------|

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| | | | | |
|------|-----|------|------|-------|
| ORAL | RAT | LD50 | 2001 | mg/kg |
|------|-----|------|------|-------|

Relevant hazards for substance:

| Hazard | Route | Basis |
|-------------------------------|-------|-----------------------|
| Serious eye damage/irritation | OPT | Hazardous: calculated |

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

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Hazardous ingredients:

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REACTION PRODUCTS OF C12-18-(EVEN NUMBERED)-ALKYLAMINES AND ACRYLIC ACID AND SODIUM HYDROXIDE

| | | | |
|--|-----------|------|------|
| ALGAE | 72H ErC50 | 9.3 | mg/l |
| Daphnia magna | 48H EC50 | 1.71 | mg/l |
| Microorganisms | 3H EC10 | 99 | mg/l |
| RAINBOW TROUT (<i>Oncorhynchus mykiss</i>) | 96H LC50 | 4.2 | mg/l |

ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

| | | | |
|---|-----------|-------|------|
| Daphnia magna | 48H EC50 | >1-10 | mg/l |
| FISH (<i>Cyprinus carpo</i>) | 96H LC50 | >1-10 | mg/l |
| GREEN ALGA (<i>Selenastrum capricornutum</i>) | 72H ErC50 | >1-10 | mg/l |

C12-C15 ALCOHOL ETHOXYLATE WITH 3MEO

| | | | |
|--|----------|--------|------|
| ALGAE | 72H IC50 | 1 - 10 | mg/l |
| Daphnia magna | 48H EC50 | 1 - 10 | mg/l |
| ZEBRAFISH (<i>Brachydanio rerio</i>) | 96H LC50 | 1 - 10 | mg/l |

12.2. Persistence and degradability

Persistence and degradability: Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

[cont...]

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

Section 16: Other information**Other information**

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H302: Harmful if swallowed.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H400: Very toxic to aquatic life.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.