

Revision nr. : -

Date issued: 12-09-2013

Supersedes date: -

1. Identification of the substance/preparation and company

1.1. Product Identifier

Product name Freedom Multi Purpose
Product code 3ED183-1M

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

Use of the substance/ preparation Cleaner
Product Category PC 35 : Washing and cleaning products
SU 21 : Consumer
Uses advised against This product is not advised for other than above described applications.

1.3. Details of the supplier of the safety data sheet

Supplier Eco Green Auto Clean LLC. Tel. : +1-650-216-600
2801 El Camino Real Email : info@ecogreenautoclean.com
Redwood City CA 94061 Site : www.ecogreenautoclean.com
USA

1.4 Emergency telephone number: :+1-650-216-600

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified

2.2. Label elements

Labelling according to Directive 67/548/EEC or 1999/45/EC: -

2.3. Other hazards

No additional information available

3. Composition / information on ingredients

3.1. Substance

Not applicable

3.2. Preparation

This preparation is not classified as dangerous but contains dangerous substances

Components dangerous for health or environment (Guideline 67/548/EEG)

| <u>Ingredients</u> | <u>Weight.%</u> | <u>Einecs nr.</u> | <u>CAS nr.</u> | <u>Symbol/R Phrases*</u> |
|---------------------|-----------------|-------------------|----------------|--------------------------|
| Alkyl Polyglucoside | < 1 | Polymeer | 68515-73-1 | Xi 41 |
| Ethanol | 1 – 5 | 200-578-6 | 64-17-5 | F 11 |
| 1-Butoxy-2-propanol | 1 – 5 | 225-878-4 | 5131-66-8 | Xi 36/38 |

* See chapter 16 for a complete description of all R-phrases

Components dangerous for health or environment (Regulation (EC) No 1272/2008)

| <u>Ingredients</u> | <u>Weight.%</u> | <u>2 REACH nr.</u> | <u>Classification*</u> |
|---------------------|-----------------|--------------------|---|
| Alkyl Polyglucoside | < 1 | 01-2119488530-26 | Eye Dam.1 -H318 |
| Ethanol | 1 – 5 | 01-2119457610-43 | Flam. Liq.2 -H225 |
| 1-Butoxy-2-propanol | 1 – 5 | --- | Skin Irrit. 2 - H315 Eye Irrit.2 ; H319 |

* See chapter 16 for a complete description of all R-phrases

4. First aid measures

4.1. Description of first aid measures

| | |
|------------|---|
| Inhalation | Remove victim to fresh air. |
| Skin | Wash with soap and water. If irritation persists, get medical attention. |
| Eyes | Flush eyes with plenty of water. If irritation persists, get medical attention. |
| Ingestion | Rinse mouth with cold water and get medical attention. |

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

| | |
|------------|---|
| Inhalation | No relevant human information is available. |
| Skin | No relevant human information is available. |
| Eyes | No relevant human information is available. |
| Ingestion | No relevant human information is available. |

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

No additional information available

5. Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media all extinguishing media can be used

5.2. Special hazards arising from the substance or mixture

Hazardous reactions None, non-combustible.

5.3. Advice for fire-fighters

Contaminated fire extinguishing-water. Do not allow entering drains or surface water.

6. Accidental release measures

6.1 Personal precautions, protective Equipment and emergency Procedure.

Personal precautions Wear recommended personal protective equipment.

6.2. Environmental precautions.

Environmental precautions. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up.

Cleaning methods Collect in closed and suitable containers for disposal.
Dilute and rinse remaining material.

6.4. Reference to other sections

Protective measures See point 8
Handling and storage See point 7
Waste treatment See point 13

7. Handling and storage

7.1. Precautions for safe handling

Handling Proper handling precautions while handling chemical materials have to be taken in account.

7.2. Conditions for safe storage, including any incompatibilities

Storage Store in closed containers. Protect from freezing.

7.3. Specific end use(s)

Specific end use No information available

8. Exposure controls / personal protection

8.1. Control parameters

Exposure Use only in well ventilated area's
Occupational exposure limits -

8.2. Exposure controls

| | |
|----------------------|---|
| Protective equipment | No special requirements under normal use conditions and sufficient ventilation. |
| Respiratory | No special requirements under normal use conditions Wear suitable respiratory protection at high exposure levels. Suitable filter cartridge A (brown) class 1 or higher, eg on a face shield conform EN 140 |
| Hands / skin | No special requirements under normal use conditions In case of calamity: rubber gloves conform EN 374 suitable material NBR (Nitrile rubber) 0.4 mm thick, permeation time >= 30 minutes. |
| Eyes | Wear chemical safety goggles (EN 166) when contact is possible. |
| General | Do not drink or smoke during use. |

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Physical state | Clear liquid |
| Odour | Mild |
| Odour threshold | Not available |
| pH | 10.0 |
| Melting point /freezing point | 0°C |
| Initial boiling point and boiling range | 100 °C |
| Flash point | Not applicable |
| Evaporation rate | Not available |
| Flammability (solid, gas) | Not applicable |
| Upper/lower flammability or explosive limits | Not available |
| Vapour pressure | Not available |
| Vapour density | Not available |
| Relative density | 0.998 g./cm ³ |
| Solubility | Completely soluble in water, not in oil |
| Partition coefficient: n-octanol/water | <1,0 |
| Auto-ignition temperature | Not available |
| Decomposition temperature | >299°C |
| Viscosity at 20°C | < 10 mPa.s |
| Explosive properties | Not available |
| Oxidising properties | Not available |

9.2. Other information

No additional information available

10. Stability and reactivity

| | |
|--|--------------------------------|
| 10.1. Reactivity | Not applicable |
| 10.2. Chemical Stability | Stable under normal conditions |
| 10.3. Possibility of hazardous reactions | None under normal conditions |

| | |
|---|------------------------------|
| <u>10.4. Conditions to avoid</u> | None under normal conditions |
| <u>10.5. Incompatible materials</u> | None under normal conditions |
| <u>10.6. Hazardous decomposition products</u> | None under normal conditions |

11. Toxicological information

11.1. Information on toxicological effects

| | |
|----------------|--|
| Acute toxicity | Not classified as toxic according to criteria mentioned in 3.1.3 of (EC) No 1272/2008. |
| Oral LD50: | > 2g./kg (rats). |
| Inhalation | Not expected to impart hazardous properties |
| Skin | Not expected to impart hazardous properties |
| Eye | Direct contact may cause irritation |
| Ingestion | No data available |

12. Ecological information

12.1. Toxicity

| | |
|------------|--|
| Product | Harmless to aquatic organisms up to the tested concentration |
| Components | No data available |

12.2. Persistence and degradability

The surfactants are biodegradable for more than 90% according to the OECD test 301 concerned

12.3. Bio accumulative potential

Not available

12.4. Mobility in soil

Not available

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH annex XIII

12.6. Other adverse effects

No additional information available

13. Disposal considerations

13.1. Waste treatment methods

| | |
|---------------------|--|
| Material disposal | Dispose of according to local environmental controls. |
| Container disposal: | Rinse with small amount of water (to be reused) and dispose of according to local environmental controls |

14. Transport information

| | |
|--|--|
| 14.1. UN Number | No dangerous good in sense of this transport regulation. |
| 14.2. UN proper shipping name | No dangerous good in sense of this transport regulation. |
| 14.3. Transport hazard class(es) | No dangerous good in sense of this transport regulation. |
| 14.4. Packing group | No dangerous good in sense of this transport regulation. |
| 14.5. Environmental hazards | No dangerous good in sense of this transport regulation. |
| 14.6. Special precautions for user | None |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | not applicable |

15. Regulatory information

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

| | |
|---|---|
| General | Work in accordance with all national/local regulations |
| European community | Regulation (EC) 1907/2006 (REACH), regulation (EC) 1272/2008 (CLP) and other involved regulations |
| Additional labelling | None |
| Additional Information on packing according to Regulation (CE) 648/2004 | |
| Contains | : nonionic surfactants: < 5% : sodium hydroxymethylglycinate : perfume |

16. Other information

The contents and format of this MSDS are in accordance with regulation (EC) no. 1907/2006 of the European Parliament and Council of 18 December 2006 concerning the registration, evaluation, authorisation and restriction of Chemicals (REACH).

16.1. Indication of changes : Not applicable

16.2. Abbreviations and acronyms

Chapter 1: PC : Product category
SU : Sector of use

16.3 Relevant R-, H- and EUH-phrases (Number and full text)

| | |
|-----------------------|--|
| R-phrases (chapter 3) | : 11 Highly flammable : 36/38 Irritating to eyes and skin : 41 Risk of serious damage to eyes. |
| H-phrases (chapter 3) | : 315 Causes skin irritation. : 318 Causes serious eye damage : 319 Causes serious eye irritation : 225 Highly flammable liquid and vapour. |

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