

Revision nr. : -

Date issued: 13-09-2013

Supersedes date: -

## 1. Identification of the substance/preparation and company

### 1.1. Product Identifier

Product name Freedom Window Clean  
Product code 3ED178-1M

### 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](http://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)

Ingredients	Weight.%	Einecs nr.	CAS nr.	Symbol/R Phrases*
Alkyl Polyglucoside	< 1	Polymeer	68515-73-1	Xi 41
2-butoxyethanol	1 – 5	203-905-0	111-76-2	Xn Xi 20/21/22-36/38
Isopropanol	1 – 5	200-661-7	67-63-0	F Xi 11-67-36

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

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

Ingredients	Weight.%	2 REACH nr.	Classification*
Alkyl Polyglucoside	< 1	01-2119488530-26	Eye Dam.1 -H318
2-butoxyethanol	1 – 5	01-2119475108-36	Acute Tox.4 -H332 –H302; Skin Irrit.2 -H315-312
Isopropanol	1 – 5	01-2119457558-25	Flam. Liq.2 -H225; Eye Irrit.2 -STOT SE3 -H335

\* 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	: 2-butoxyethanol : TGG-8hr. 100 mg/m <sup>3</sup> TGG 15 min. 246 mg/m <sup>3</sup> : Isopropanol : TGG-8hr. 650 mg/m <sup>3</sup> TGG 15 min. - mg/m <sup>3</sup>

### 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	7.5
Melting point /freezing point	0°C
Initial boiling point and boiling range	78-150°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	0.990 g./cm <sup>3</sup>
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
	: 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
	: 36/38	Irritating to eyes and skin
	: 41	Risk of serious damage to eyes.
	: 67	Vapours may cause drowsiness and dizziness
H-phrases (chapter 3)	: 225	Highly flammable liquid and vapour
	: 312	Harmful in contact with skin
	: 315	Causes skin irritation.
	: 318	Causes serious eye damage
	: 332	Harmful if inhaled
	: 335	May cause respiratory irritation

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