

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 06.07.2023

Version number 1

Revision: 06.07.2023

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** Megaclean**Product Code(s):** Megaclean - MC1-Q, MC1-G,**UFI:** G000-A0PG-V007-2VAR**1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use:** Product supplied for professional use only**Technical function** Heavy Duty Cleaner**Application of the substance / the preparation:****Relevant identified uses:** Cleaner for removing heavy residues**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Micronova Manufacturing

3431 West Lomita Boulevard

Torrance, CA, 90505, USA

Tel: +1 (310)784-6990

Fax: +1 (310)784-6980

Email: quality@micronova-mfg.com

www.micronova-mfg.com

**1.4 Emergency telephone number(s):**

+1 (800)424-9300

Ireland - National Poisons Information Centre: 01 837 9964 or 01 809 2566 (healthcare professionals only).

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Eye Irrit. 2 H319 Causes serious eye irritation.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms:**

GHS07

**Signal word:** Warning**Hazard statements:**

H319 Causes serious eye irritation.

**Precautionary statements:**

P264 Wash thoroughly after handling.

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.

P337+P313 If eye irritation persists: Get medical advice/attention.

**Labelling requirements in accordance with Article 11 / Annex VII A of Regulation (EC) No 648/2004 on detergents**

Contains: ≥ 30% non-ionic surfactants

**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.

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**Trade name:** Megaclean**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****Description:** Mixture consisting of the following components.**Hazardous components:**

CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	50-100%
EINECS: 203-961-6	Eye Irrit. 2, H319	
CAS: 68439-46-3	(C9-C11) Alkyl alcohol, ethoxylate	≥1-<3%
	Eye Dam. 1, H318; Acute Tox. 4, H302	

**Additional information:** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****4.1 Description of first aid measures****After inhalation:** Move patient to fresh air, if symptoms persist consult a doctor.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.**After swallowing:** Call for a doctor immediately.**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:** Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.**5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3 Advice for firefighters****Protective equipment:** No special measures required.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions** Dilute with plenty of water.**6.3 Methods and material for containment and cleaning up**

Use neutralising agent.

Dispose contaminated material as waste according to section 13.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

No special measures required.

No special precautions are necessary if used correctly.

**Information about fire - and explosion protection:** No special measures required.

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

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** Keep container tightly closed.

**7.3 Specific end use(s):** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

#### 112-34-5 2-(2-butoxyethoxy)ethanol

OEL	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm
	Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm
	IOELV

**Additional information:** The lists valid during the making were used as basis.

### 8.2 Exposure controls

**Individual protection measures, such as personal protective equipment**

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.

**Respiratory protection:** Not required.

#### Hand protection



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Due to missing tests no recommendation to the glove material can be given for the product/the preparation/  
 the chemical mixture.

Select the glove material based on a consideration of the penetration times, rates of diffusion and the degradation.

#### Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### Penetration time of glove material:

The exact break through time must be determined by the manufacturer of the protective gloves.

#### Eye/face protection



Safety goggles (EN 166).

Goggles recommended during refilling

**Body protection:** Protective work clothing.

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

<b>Physical state</b>	Fluid
<b>Colour:</b>	Colourless.
<b>Odour:</b>	
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Not determined.
<b>Boiling point or initial boiling point and boiling range</b>	Not determined.
<b>Flammability</b>	Not determined.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not determined.
<b>VOC (EC):</b>	
<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>Water:</b>	Fully miscible.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined.
<b>Relative density</b>	0.926-0.946
<b>Vapour density</b>	Not determined.

#### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Liquid.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Softening point/range</b>	
<b>Oxidising properties</b>	Not determined.
<b>Evaporation rate</b>	Not determined.

##### Information with regard to physical hazard classes

<b>Explosives</b>	Not applicable.
<b>Flammable gases</b>	Not applicable.
<b>Aerosols</b>	Not applicable.
<b>Oxidising gases</b>	Not applicable.
<b>Gases under pressure</b>	Not applicable.
<b>Flammable liquids</b>	Not applicable.
<b>Flammable solids</b>	Not applicable.
<b>Self-reactive substances and mixtures</b>	Not applicable.
<b>Pyrophoric liquids</b>	Not applicable.
<b>Pyrophoric solids</b>	Not applicable.
<b>Self-heating substances and mixtures</b>	Not applicable.
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Not applicable.
<b>Oxidising liquids</b>	Not applicable.
<b>Oxidising solids</b>	Not applicable.
<b>Organic peroxides</b>	Not applicable.
<b>Corrosive to metals</b>	Not applicable.
<b>Desensitised explosives</b>	Not applicable.

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**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

No data available.  
No further relevant information available.

**10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials** No further relevant information available.

**10.6 Hazardous decomposition products** No further relevant information available.

**SECTION 11: Toxicological information**

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values:**

**112-34-5 2-(2-butoxyethoxy)ethanol**

Oral	LD50	5,660 mg/kg (Rat)
Dermal	LD50	4,000 mg/kg (Rabbit)

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:** Causes serious eye irritation.

**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**

**11.2.1 Endocrine disrupting properties**

None of the ingredients are listed.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

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**12.7 Other adverse effects**

**Additional environmental information:**

**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): Slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Must not reach sewage water or drainage ditch undiluted or unneutralised.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation:** Do not allow product to reach sewage system.

**Uncleaned packaging:**

**Recommendation:**

Disposal must be made in accordance with official regulations.  
Packaging that may not be cleansed must be disposed of in the same manner as the product.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

**14.1 UN number or ID number**

ADR, IMDG, IATA Not applicable.

**14.2 UN proper shipping name**

ADR, IMDG, IATA Not applicable.

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA  
Class Not applicable.

**14.4 Packing group**

ADR, IMDG, IATA Not applicable.

**14.5 Environmental hazards**

Not applicable.

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to**

IMO instruments Not applicable.

**SECTION 15: Regulatory information**

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

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients are listed.

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 55

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients are listed.

**REGULATION (EU) 2019/1148**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients are listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients are listed.

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None of the ingredients are listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients are listed.

**15.2 Chemical safety assessment** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

**Abbreviations and acronyms:**

WEL: Workplace Exposure Limits

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2