



## Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Meguiar's Ultimate Wash n Wax G177 (29-21B): G17748

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

##### Identified uses

Automotive.

#### 1.3. Details of the supplier of the safety data sheet

**Address:** Meguiars United Kingdom Limited, 3 Lamport Court, Heartlands, Daventry, Northants, NN11 8UF  
**Telephone:** +44 (0)870 241 6696  
**E Mail:** info@meguiars.co.uk  
**Website:** www.meguiars.co.uk

#### 1.4. Emergency telephone number

+44 (0)870 241 6696

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

##### CLASSIFICATION:

Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319  
Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315  
Hazardous to the Aquatic Environment (Chronic), Category 3 - Aquatic Chronic 3; H412

For full text of H phrases, see Section 16.

#### 2.2. Label elements

CLP REGULATION (EC) No 1272/2008

##### SIGNAL WORD

WARNING.

**Symbols:**

GHS07 (Exclamation mark) |

**Pictograms**



**HAZARD STATEMENTS:**

H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H412 Harmful to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENTS**

**General:**

P102 Keep out of reach of children.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

**Disposal:**

P501 Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**SUPPLEMENTAL INFORMATION**

**Supplemental Hazard Statements:**

EUH208 Contains Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

4% of the mixture consists of components of unknown acute oral toxicity.

4% of the mixture consists of components of unknown acute dermal toxicity.

Contains 8% of components with unknown hazards to the aquatic environment.

**Information required per Regulation (EU) No 528/2012 on Biocidal Products:**

Contains a biocidal product: Contains C(M)IT/MIT (3:1). May produce an allergic reaction.

**Notes on labelling**

Updated per Regulation (EC) No. 648/2004 on detergents.

Ingredients required per 648/2004: 5-15% Anionic surfactant. <5%: Non-ionic surfactant, Amphoteric surfactants. Contains: Perfumes, Colorant, Mixture of Methylchloroisothiazolinone and Methylisothiazolinone (3:1).

Skin and Eye classification based on test data.

**2.3. Other hazards**

None known.

**SECTION 3: Composition/information on ingredients**

Ingredient	CAS Nbr	EC No.	REACH Registration No.	% by Wt	Classification
Non-Hazardous Ingredient	Trade Secret			80 - 90	Substance not classified as hazardous
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	268-356-1		1 - 5	Aquatic Acute 1, H400; Aquatic Chronic 3, H412
Alcohol Ethoxysulfate (Sodium Salt)	68585-34-2	500-223-8		1 - 5	Skin Irrit. 2, H315; Eye Irrit. 2, H319
Sodium Mono-C10-16-Alkyl Sulfates	68585-47-7	271-557-7		1 - 5	Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	68439-57-6	270-407-8		< 3	Acute Tox. 4, H302; Eye Dam. 1, H318
Sodium Chloride	7647-14-5	231-598-3		1 - 3	Substance not classified as hazardous
Dodecyldimethylamine oxide	1643-20-5	216-700-6		1 - 3	Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1
Cocoamidopropylbetaine	61789-40-0	263-058-8		< 1.5	Eye Dam. 1, H318; Aquatic Acute 1, H400,M=1; Aquatic Chronic 2, H411
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	55965-84-9			< 0.0015	Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 3, H301; Skin Corr. 1B, H314; Skin Sens. 1A, H317; Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1

Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Remove person to fresh air. If you feel unwell, get medical attention.

**Skin contact**

Rinse skin with large amounts of water. If symptoms persist, get medical attention.

**Eye contact**

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

**If swallowed**

Rinse mouth. If you feel unwell, get medical attention.

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

See Section 11.1 Information on toxicological effects

#### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

In case of fire: Use a carbon dioxide or dry chemical extinguisher to extinguish.

#### 5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

#### Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.

#### 5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

#### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

#### 6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible.

#### 6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.

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

Store away from heat.

### 7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

#### Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

#### 8.2.2. Personal protective equipment (PPE)

##### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Indirect vented goggles.

##### *Applicable Norms/Standards*

Use eye protection conforming to EN 166

##### Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended:

Material	Thickness (mm)	Breakthrough Time
Polymer laminate	No data available	No data available

##### *Applicable Norms/Standards*

Use gloves tested to EN 374

##### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

*Applicable Norms/Standards*

Use a respirator conforming to EN 140 or EN 136: filter types A & P

## SECTION 9: Physical and chemical properties

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

Physical state	Liquid.
Appearance/Odour	Sweet Cherry Odor, Bright Yellow, Viscous Liquid
Odour threshold	<i>No data available.</i>
pH	7.5 - 9
Boiling point/boiling range	100 °C
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Not applicable.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	> 93.3 °C
Autoignition temperature	<i>Not applicable.</i>
Flammable Limits(LEL)	<i>Not applicable.</i>
Flammable Limits(UEL)	<i>Not applicable.</i>
Vapour pressure	<i>No data available.</i>
Relative density	1 [Ref Std: WATER=1]
Water solubility	Complete
Solubility- non-water	Complete
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Vapour density	<i>No data available.</i>
Decomposition temperature	<i>No data available.</i>
Viscosity	1,500 - 5,000 mPa-s
Density	1 g/cm <sup>3</sup>

### 9.2. Other information

EU Volatile Organic Compounds	4 g/l [Details:(calculated per Directive 2004/42/EC)]
Molecular weight	<i>No data available.</i>

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non reactive under normal use conditions

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

Heat.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

**Substance**

None known.

**Condition**

Refer to section 5.2 for hazardous decomposition products during combustion.

**SECTION 11: Toxicological information**

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

**11.1 Information on Toxicological effects****Signs and Symptoms of Exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

**Inhalation**

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Skin contact**

Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, dryness, cracking, blistering, and pain.

**Eye contact**

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Ingestion**

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

**Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Sodium Mono-C10-16-Alkyl Sulfates	Dermal	Rat	LD50 > 2,000 mg/kg
Sodium Mono-C10-16-Alkyl Sulfates	Ingestion	Rat	LD50 977 mg/kg
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Dermal	Rat	LD50 > 2,000 mg/kg
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Ingestion	Rat	LD50 578 mg/kg
Alcohol Ethoxysulfate (Sodium Salt)	Dermal	Rabbit	LD50 > 2,000 mg/kg
Alcohol Ethoxysulfate (Sodium Salt)	Ingestion	Rat	LD50 > 2,000 mg/kg
Dodecyltrimethylamine oxide	Ingestion	Mouse	LD50 2,700 mg/kg
Dodecyltrimethylamine oxide	Dermal	Rabbit	LD50 3,536 mg/kg
Cocoamidopropylbetaine	Dermal	Rat	LD50 > 2,000 mg/kg
Cocoamidopropylbetaine	Ingestion	Rat	LD50 > 1,500 mg/kg
Sodium Chloride	Dermal	Rabbit	LD50 > 10,000 mg/kg
Sodium Chloride	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 10.5 mg/l
Sodium Chloride	Ingestion	Rat	LD50 3,550 mg/kg
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-	Dermal	Rabbit	LD50 87 mg/kg

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2H-isothiazol-3-one			
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Inhalation-Dust/Mist (4 hours)	Rat	LC50 0.33 mg/l
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Ingestion	Rat	LD50 40 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Overall product	Professional judgement	Irritant
Sodium Mono-C10-16-Alkyl Sulfates	Rabbit	Irritant
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Rabbit	Mild irritant
Alcohol Ethoxysulfate (Sodium Salt)	Human	Irritant
Cocoamidopropylbetaine	Rabbit	Mild irritant
Sodium Chloride	Rabbit	No significant irritation
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Rabbit	Corrosive

**Serious Eye Damage/Irritation**

Name	Species	Value
Overall product	Professional judgement	Severe irritant
Sodium Mono-C10-16-Alkyl Sulfates	Rabbit	Corrosive
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Rabbit	Corrosive
Alcohol Ethoxysulfate (Sodium Salt)	Professional judgement	Severe irritant
Cocoamidopropylbetaine	Rabbit	Corrosive
Sodium Chloride	Rabbit	Mild irritant
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Rabbit	Corrosive

**Skin Sensitisation**

Name	Species	Value
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Guinea pig	Not classified
Alcohol Ethoxysulfate (Sodium Salt)	Human	Not classified
Cocoamidopropylbetaine	Multiple animal species	Not classified
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Human and animal	Sensitising

**Photosensitisation**

Name	Species	Value
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Human and animal	Not sensitising

**Respiratory Sensitisation**

For the component/components, either no data is currently available or the data is not sufficient for classification.



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**Germ Cell Mutagenicity**

Name	Route	Value
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	In Vitro	Not mutagenic
Cocoamidopropylbetaine	In Vitro	Not mutagenic
Cocoamidopropylbetaine	In vivo	Not mutagenic
Sodium Chloride	In Vitro	Some positive data exist, but the data are not sufficient for classification
Sodium Chloride	In vivo	Some positive data exist, but the data are not sufficient for classification
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	In vivo	Not mutagenic
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	In Vitro	Some positive data exist, but the data are not sufficient for classification

**Carcinogenicity**

Name	Route	Species	Value
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Dermal	Rat	Not carcinogenic
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Ingestion	Rat	Not carcinogenic
Sodium Chloride	Ingestion	Rat	Not carcinogenic
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Dermal	Mouse	Not carcinogenic
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Ingestion	Rat	Not carcinogenic

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test result	Exposure Duration
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Ingestion	Not classified for female reproduction	Rat	NOAEL 871 mg/kg	2 generation
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Ingestion	Not classified for male reproduction	Rat	NOAEL 891 mg/kg	2 generation
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Ingestion	Not classified for development	Rabbit	NOAEL 600 mg/kg	during organogenesis
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Ingestion	Not classified for female reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Ingestion	Not classified for male reproduction	Rat	NOAEL 10 mg/kg/day	2 generation
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Ingestion	Not classified for development	Rat	NOAEL 15 mg/kg/day	during organogenesis

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Sodium Mono-C10-16-Alkyl Sulfates	Inhalation	respiratory irritation	May cause respiratory irritation	similar health hazards	NOAEL Not available	
Cocoamidopropylbetaine	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	

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Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Ingestion	liver	Not classified	Rat	NOAEL 500 mg/kg/day	6 months
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 500 mg/kg	6 months
Cocoamidopropylbetaine	Ingestion	heart   endocrine system   hematopoietic system   liver   nervous system   eyes   kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	92 days
Sodium Chloride	Ingestion	blood   kidney and/or bladder   vascular system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 2,240 mg/kg/day	9 months
Sodium Chloride	Ingestion	nervous system   eyes	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,700 mg/kg/day	90 days
Sodium Chloride	Ingestion	liver   respiratory system	Not classified	Rat	NOAEL 33 mg/kg/day	90 days

**Aspiration Hazard**

For the component/components, either no data is currently available or the data is not sufficient for classification.

**Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.**

**SECTION 12: Ecological information**

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

**12.1. Toxicity**

No product test data available.

Material	CAS #	Organism	Type	Exposure	Test endpoint	Test result
Alcohol Ethoxysulfate (Sodium Salt)	68585-34-2		Data not available or insufficient for classification			
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	Zebra Fish	Estimated	96 hours	LC50	0.6 mg/l
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	Algae other	Estimated	96 hours	EC50	0.9 mg/l
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	Water flea	Estimated	48 hours	EC50	1.62 mg/l
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	Algae other	Estimated	96 hours	NOEC	0.3 mg/l
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	Water flea	Estimated	21 days	NOEC	0.3 mg/l

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Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	Fathead minnow	Estimated	30 days	NOEC	1 mg/l
Sodium Mono-C10-16-Alkyl Sulfates	68585-47-7		Data not available or insufficient for classification			
Dodecyldimethylamine oxide	1643-20-5	Water flea	Experimental	48 hours	EC50	2.2 mg/l
Dodecyldimethylamine oxide	1643-20-5	Green algae	Experimental	72 hours	EC50	0.11 mg/l
Dodecyldimethylamine oxide	1643-20-5	Ricefish	Experimental	96 hours	LC50	30 mg/l
Dodecyldimethylamine oxide	1643-20-5	Water flea	Experimental	21 days	NOEC	0.36 mg/l
Dodecyldimethylamine oxide	1643-20-5	Green algae	Experimental	72 hours	NOEC	0.0049 mg/l
Dodecyldimethylamine oxide	1643-20-5	Fathead minnow	Experimental	302 days	NOEC	0.42 mg/l
Sodium Chloride	7647-14-5	Water flea	Experimental	48 hours	LC50	874 mg/l
Sodium Chloride	7647-14-5	Bluegill	Experimental	96 hours	LC50	5,840 mg/l
Sodium Chloride	7647-14-5	Algae other	Experimental	96 hours	EC50	2,430 mg/l
Sodium Chloride	7647-14-5	Fathead minnow	Experimental	33 days	NOEC	252 mg/l
Sodium Chloride	7647-14-5	Water flea	Experimental	21 days	NOEC	314 mg/l
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	68439-57-6	Water flea	Experimental	48 hours	EC50	3.48 mg/l
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	68439-57-6	Zebra Fish	Experimental	96 hours	LC50	2.6 mg/l
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	68439-57-6	Diatom	Experimental	72 hours	EC50	5.2 mg/l
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	68439-57-6	Diatom	Experimental	72 hours	Effect Concentration 10%	3.9 mg/l
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	68439-57-6	Water flea	Experimental	21 days	NOEC	6.3 mg/l
Cocoamidopropylbetaine	61789-40-0	Green algae	Experimental	96 hours	EC50	0.55 mg/l
Cocoamidopropylbetaine	61789-40-0	Common Carp	Experimental	96 hours	LC50	1.9 mg/l
Cocoamidopropylbetaine	61789-40-0	Water flea	Experimental	24 hours	EC50	1.1 mg/l
Cocoamidopropylbetaine	61789-40-0	Water flea	Experimental	21 days	NOEC	0.9 mg/l
Cocoamidopropylbetaine	61789-40-0	Green algae	Experimental	72 hours	NOEC	0.09 mg/l
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	55965-84-9	Diatom	Experimental	72 hours	EC50	0.021 mg/l
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	55965-84-9	Water flea	Experimental	48 hours	EC50	0.18 mg/l
Mixture of 5-chloro-2-methyl-2H-isothiazol-	55965-84-9	Diatom	Experimental	72 hours	NOEC	0.01 mg/l

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3-one and 2-methyl-2H-isothiazol-3-one						
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**12.2. Persistence and degradability**

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Alcohol Ethoxysulfate (Sodium Salt)	68585-34-2	Experimental Biodegradation	28 days	Dissolv. Organic Carbon Deplet	96-100	OECD 301E - Modified OECD Scre
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	Estimated Biodegradation	28 days	Dissolv. Organic Carbon Deplet	94 % weight	OECD 301A - DOC Die Away Test
Sodium Mono-C10-16-Alkyl Sulfates	68585-47-7	Estimated Biodegradation	14 days	BOD	70 % weight	Other methods
Dodecyldimethylamine oxide	1643-20-5	Experimental Biodegradation	28 days	CO2 evolution	95.27 % weight	OECD 301B - Modified sturm or CO2
Sodium Chloride	7647-14-5	Data not availbl-insufficient			N/A	
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	68439-57-6	Experimental Biodegradation	28 days	CO2 evolution	80 % weight	OECD 301B - Modified sturm or CO2
Cocoamidopropylbetaine	61789-40-0	Experimental Biodegradation	28 days	Dissolv. Organic Carbon Deplet	100 %removal of DOC	OECD 301E - Modified OECD Scre
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	55965-84-9	Data not availbl-insufficient			N/A	

**12.3 : Bioaccumulative potential**

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
Alcohol Ethoxysulfate (Sodium Salt)	68585-34-2	Experimental BCF-Carp	72 hours	Bioaccumulation factor	18	Other methods
Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts	68081-81-2	Estimated BCF - Fathead Mi	28 days	Bioaccumulation factor	245	
Sodium Mono-C10-16-Alkyl Sulfates	68585-47-7	Estimated Bioconcentration		Bioaccumulation factor	100	Other methods
Dodecyldimethylamine oxide	1643-20-5	Estimated Bioconcentration		Log Kow	1.85	Other methods
Sodium Chloride	7647-14-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Sulfonic Acids, C14-16-Alkane Hydroxy and C14-16 Alkene, Sodium Salts	68439-57-6	Estimated Bioconcentration		Log Kow	-1.3	Other methods
Cocoamidopropylbetaine	61789-40-0	Estimated Bioconcentration		Log Kow	0.69	Other methods
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	55965-84-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

**12.4. Mobility in soil**

Please contact manufacturer for more details

**12.5. Results of the PBT and vPvB assessment**

This material does not contain any substances that are assessed to be a PBT or vPvB

**12.6. Other adverse effects**

No information available.

The surfactant(s) contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC)

No.648/2004 on detergents.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

See Section 11.1 Information on toxicological effects

Dispose of waste product in a permitted industrial waste facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of the manufacturer, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/CE and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor

### EU waste code (product as sold)

070601\* Aqueous washing liquids and mother liquors

## SECTION 14: Transportation information

ADR/IATA/IMDG: Not restricted for transport.

## SECTION 15: Regulatory information

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

#### Global inventory status

Contact manufacturer for more information The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the chemical notification requirements of TSCA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from China IECSC inventory.

### 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended.

## SECTION 16: Other information

### List of relevant H statements

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Revision information:**

Section 1: Product name information was modified.

Label: CLP Percent Unknown information was modified.

Section 3: Composition/ Information of ingredients table information was modified.

Section 11: Acute Toxicity table information was modified.

Section 11: Carcinogenicity Table information was modified.

Section 11: Germ Cell Mutagenicity Table information was modified.

Section 11: Reproductive Toxicity Table information was modified.

Section 11: Serious Eye Damage/Irritation Table information was modified.

Section 11: Skin Corrosion/Irritation Table information was modified.

Section 11: Skin Sensitization Table information was modified.

Section 11: Target Organs - Repeated Table information was modified.

Section 11: Target Organs - Single Table information was modified.

Section 12: Component ecotoxicity information information was modified.

Section 12: No PBT/vPvB information available warning information was modified.

Section 12: Persistence and Degradability information information was modified.

Section 12: Biocumulative potential information information was modified.

Section 15: Chemical Safety Assessment information was modified.

Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.

Section 16: Web address information was modified.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

**Meguiar's, Inc. United Kingdom SDSs are available at [www.meguiars.co.uk](http://www.meguiars.co.uk)**