



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

Wash Plus+

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.
- P101 If medical advice is needed, have product container or label at hand.

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.

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%: Amphoteric surfactant. Contains: Perfumes, 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 | % by Wt | Classification |
|------------|---------|--------|-------|---------|----------------|
|------------|---------|--------|-------|---------|----------------|

Wash Plus+

| | | | Registration No. | | |
|--|------------|-----------|------------------|-------------------|--|
| Non-Hazardous Ingredients | Mixture | | | 75 - 95 | Substance not classified as hazardous |
| Sodium Mono C-10-16-Alkyl Sulfates | 68585-47-7 | 271-557-7 | | 3 - 7 | 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 |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16 alkene, sodium salts | 68439-57-6 | 270-407-8 | | 1 - 5 | Acute Tox. 4, H302; Eye Dam. 1, H318 |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 61789-40-0 | 263-058-8 | | 1 - 5 | Eye Dam. 1, H318; Aquatic Acute 1, H400,M=1; Aquatic Chronic 2, H411 |
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | 68585-34-2 | 500-223-8 | | 1 - 5 | Skin Irrit. 2, H315; Eye Irrit. 2, H319 |
| Kaolin, calcined | 92704-41-1 | 296-473-8 | | 1 - 5 | Substance not classified as hazardous |
| Dodecyldimethylamine oxide | 1643-20-5 | 216-700-6 | | 1 - 5 | Aquatic Acute 1, H400,M=1; Aquatic Chronic 1, H410,M=1 |
| Sodium Chloride | 7647-14-5 | 231-598-3 | | 0.5 - 1.5 | Substance not classified as hazardous |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | 55965-84-9 | | | 0.00107 - 0.00123 | 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

Material will not burn.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

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

No special protective actions for fire-fighters are anticipated.

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 | Opaque yellow liquid with sweet fruity odor |
| Odour threshold | <i>No data available.</i> |
| pH | 8.5 |
| Boiling point/boiling range | <i>No data available.</i> |
| Melting point | <i>No data available.</i> |
| Flammability (solid, gas) | Not applicable. |
| Explosive properties | Not classified |
| Oxidising properties | Not classified |
| Flash point | No flash point [<i>Test Method</i> :Pensky-Martens Closed Cup] |
| Autoignition temperature | <i>No data available.</i> |
| Flammable Limits(LEL) | <i>No data available.</i> |
| Flammable Limits(UEL) | <i>No data available.</i> |
| Vapour pressure | <i>No data available.</i> |
| Relative density | 1 [<i>Ref Std</i> :WATER=1] |
| Water solubility | Complete |
| Solubility- non-water | <i>No data available.</i> |
| 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 | 25,600 mPa-s |
| Density | 1 g/ml |

9.2. Other information

| | |
|--------------------------------------|--|
| EU Volatile Organic Compounds | <i>No data available.</i> |
| Molecular weight | <i>No data available.</i> |
| Percent volatile | 80 % weight [<i>Test Method</i> :Estimated] |

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

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| None known. | |

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 C-10-16-Alkyl Sulfates | Dermal | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Sodium Mono C-10-16-Alkyl Sulfates | Ingestion | Rat | LD50 > 2,000 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 |
| Kaolin, calcined | Dermal | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Kaolin, calcined | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Dodecyl dimethylamine oxide | Ingestion | Mouse | LD50 2,700 mg/kg |
| Dodecyl dimethylamine oxide | Dermal | Rabbit | LD50 3,536 mg/kg |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | Dermal | Rat | LD50 > 2,000 mg/kg |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 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-2H-isothiazol-3-one | Dermal | Rabbit | LD50 87 mg/kg |

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|---|--------------------------------|-----|----------------|
| 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 |
|--|---------|---------------------------|
| Sulfonic acids, C14-16-alkane hydroxy and C14-16 alkene, sodium salts | Rabbit | Mild irritant |
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | Human | Irritant |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 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 | In vitro data | Severe irritant |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16 alkene, sodium salts | Rabbit | Corrosive |
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | Professional judgement | Severe irritant |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 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 |
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | Human | Not classified |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 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.

Germ Cell Mutagenicity

| Name | Route | Value |
|--|----------|---------------|
| Sulfonic acids, C14-16-alkane hydroxy and C14-16 alkene, sodium salts | In Vitro | Not mutagenic |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | In Vitro | Not mutagenic |

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|--|----------|--|
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 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 |
|--|------------|------------------------|--|------------------------|---------------------|-------------------|
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 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 | |

Specific Target Organ Toxicity - repeated exposure

| 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 |

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|--|-----------|---|--|-----|-----------------------|----------|
| 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 |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 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 Nbr | Organism | Type | Exposure | Test endpoint | Test result |
|---|------------|----------------|---|----------|---------------|-------------|
| Sodium Mono C-10-16-Alkyl Sulfates | 68585-47-7 | | Data not available or insufficient for classification | | | |
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | 68585-34-2 | | Data not available or insufficient for classification | | | |
| 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 | Zebra Fish | Estimated | 96 hours | LC50 | 0.6 mg/l |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Water flea | Estimated | 21 days | NOEC | 0.3 mg/l |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Fathead minnow | Estimated | 30 days | NOEC | 1 mg/l |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Algae other | Estimated | 96 hours | NOEC | 0.3 mg/l |
| 1-Propanaminium, 3-amino-N- | 61789-40-0 | Water flea | Experimental | 24 hours | EC50 | 1.1 mg/l |

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|--|------------|----------------|--------------|----------|--------------------------|-------------|
| (carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | | | | | | |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 61789-40-0 | Zebra Fish | Experimental | 96 hours | LC50 | 2 mg/l |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 61789-40-0 | Green algae | Experimental | 96 hours | EC50 | 0.55 mg/l |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 61789-40-0 | Green algae | Experimental | 72 hours | NOEC | 0.09 mg/l |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 61789-40-0 | Water flea | Experimental | 21 days | NOEC | 0.9 mg/l |
| Kaolin, calcined | 92704-41-1 | Water flea | Estimated | 48 hours | EC50 | >100 mg/l |
| Kaolin, calcined | 92704-41-1 | Green algae | Estimated | 72 hours | EC50 | 2,500 mg/l |
| Kaolin, calcined | 92704-41-1 | Zebra Fish | Estimated | 96 hours | LC50 | >100 mg/l |
| Kaolin, calcined | 92704-41-1 | Green algae | Estimated | 72 hours | Effect Concentration 10% | 41 mg/l |
| Kaolin, calcined | 92704-41-1 | Rainbow trout | Estimated | 30 days | NOEC | >100 mg/l |
| Dodecyldimethylamine oxide | 1643-20-5 | Ricefish | Experimental | 96 hours | LC50 | 30 mg/l |
| Dodecyldimethylamine oxide | 1643-20-5 | Green algae | Experimental | 72 hours | EC50 | 0.11 mg/l |
| Dodecyldimethylamine oxide | 1643-20-5 | Water flea | Experimental | 48 hours | EC50 | 2.2 mg/l |
| Dodecyldimethylamine oxide | 1643-20-5 | Fathead minnow | Experimental | 302 days | NOEC | 0.42 mg/l |
| Dodecyldimethylamine oxide | 1643-20-5 | Green algae | Experimental | 72 hours | NOEC | 0.0049 mg/l |
| Dodecyldimethylamine oxide | 1643-20-5 | Water flea | Experimental | 21 days | NOEC | 0.36 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 | 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 | Water flea | Experimental | 21 days | NOEC | 6.3 mg/l |
| Sulfonic acids, C14-16-alkane hydroxy and | 68439-57-6 | Diatom | Experimental | 72 hours | Effect Concentration 10% | 3.9 mg/l |

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|---|------------|----------------|--------------|----------|------|------------|
| C14-16 alkene, sodium salts | | | | | | |
| Sodium Chloride | 7647-14-5 | Bluegill | Experimental | 96 hours | LC50 | 5,840 mg/l |
| Sodium Chloride | 7647-14-5 | Water flea | Experimental | 48 hours | LC50 | 874 mg/l |
| Sodium Chloride | 7647-14-5 | Algae other | Experimental | 96 hours | EC50 | 2,430 mg/l |
| Sodium Chloride | 7647-14-5 | Water flea | Experimental | 21 days | NOEC | 314 mg/l |
| Sodium Chloride | 7647-14-5 | Fathead minnow | Experimental | 33 days | NOEC | 252 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-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 | Diatom | Experimental | 72 hours | NOEC | 0.01 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|---|----------|--------------------------------|----------------|-----------------------------------|
| Sodium Mono C-10-16-Alkyl Sulfates | 68585-47-7 | Estimated Biodegradation | 14 days | BOD | 70 % weight | Other methods |
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | 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 |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 61789-40-0 | Experimental Biodegradation | 28 days | Dissolv. Organic Carbon Deplet | 100 % weight | OECD 301E - Modified OECD Scre |
| Kaolin, calcined | 92704-41-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Dodecyltrimethylamine oxide | 1643-20-5 | Experimental Biodegradation | 28 days | CO2 evolution | 95.27 % weight | OECD 301B - Modified sturm or CO2 |
| 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 |
| Sodium Chloride | 7647-14-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 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 |

12.3 : Bioaccumulative potential

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|----------------------------|----------|------------------------|-------------|---------------|
| Sodium Mono C-10-16-Alkyl Sulfates | 68585-47-7 | Estimated Bioconcentration | | Bioaccumulation factor | 100 | Other methods |
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | 68585-34-2 | Experimental BCF-Carp | 72 hours | Bioaccumulation factor | 18 | Other methods |
| Benzenesulfonic acid, | 68081-81-2 | Estimated BCF - | 28 days | Bioaccumulation | 245 | |

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|--|------------|---|-----|---------|------|---------------|
| mono-C10-16-alkyl derivs., sodium salts | | Fathead Mi | | factor | | |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 61789-40-0 | Estimated Bioconcentration | | Log Kow | 0.69 | Other methods |
| Kaolin, calcined | 92704-41-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Dodecyltrimethylamine oxide | 1643-20-5 | Estimated Bioconcentration | | Log Kow | 1.85 | Other methods |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16 alkene, sodium salts | 68439-57-6 | Estimated Bioconcentration | | Log Kow | -1.3 | Other methods |
| Sodium Chloride | 7647-14-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 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

No information available at this time, contact manufacturer for more details

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)

20 01 29* Detergents containing dangerous substances

SECTION 14: Transportation information

ADR/IMDG/IATA: 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 material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. 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 on China IECSC inventory.

15.2. Chemical Safety Assessment

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. |
| 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.

Section 12: Component ecotoxicity information 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