



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

M43, Marine Boat Wash (27-161C): M4364

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

Identified uses

Marine

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:

This material is not classified as hazardous according to Regulation (EC) No. 1272/2008, as amended, on classification, labelling, and packaging of substances and mixtures.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

Not applicable

SUPPLEMENTAL INFORMATION

Supplemental Hazard Statements:

M43, Marine Boat Wash (27-161C): M4364

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%: Anionic surfactants, amphoteric surfactant, non-ionic surfactant. Contains: Perfumes, Heyl Cinnamal, Mixture of Methylchloroisothiazolinone and Methylisothiazolinone (3:1).

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

| Ingredient | CAS Nbr | EC No. | REACH Registration No. | % by Wt | Classification |
|--------------------------------------------------------------------------------------------------------|------------|-----------|------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sodium Chloride | 7647-14-5 | 231-598-3 | | 1 - 5 | Substance not classified as hazardous |
| Sulphuric acid, mono-C10-16-alkyl esters, sodium salts | 68585-47-7 | 271-557-7 | | 0.1 - 5 | Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335 |
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | 68585-34-2 | 500-223-8 | | 1 - 3 | Skin Irrit. 2, H315; Eye Irrit. 2, H319 |
| Amides, coco, N-(hydroxyethyl) | 68140-00-1 | 268-770-2 | | < 0.8 | Eye Dam. 1, H318 Aquatic Acute 1, H400,M=1; Aquatic Chronic 3, H412 |
| Laurylsulfate Ester Triethanolamine Salt | 139-96-8 | 205-388-7 | | < 0.5 | Aquatic Acute 1, H400,M=1 |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 61789-40-0 | 263-058-8 | | < 0.5 | 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 |
| Non-Hazardous Ingredients | Mixture | | | 100 | Substance not classified as hazardous |

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

No need for first aid is anticipated.

Skin contact

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

Eye contact

No need for first aid is anticipated.

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. Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Carbon monoxide.

Carbon dioxide.

Condition

During combustion.

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. 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. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Store away from heat. Store away from oxidising agents.

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

None required.

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 |
|------------------|-------------------|-------------------|
| Nitrile rubber. | No data available | No data available |
| Polymer laminate | No data available | No data available |

Applicable Norms/Standards

Use gloves tested to EN 374

Respiratory protection

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------------------------------------|-----------------------------------------------------------------|
| Physical state | Liquid. |
| Appearance/Odour | Clear colourless thin soapy liquid with a pleasant clean smell |
| Odour threshold | <i>No data available.</i> |
| pH | 7 - 8 |
| Boiling point/boiling range | 100 °C |
| 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 | 1.005 - 1.025 [<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 | 700 - 2,500 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 | 93 % 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

Strong oxidising agents.

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

No known health effects.

Skin contact

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

Eye contact

Contact with the eyes during product use is not expected to result in significant irritation.

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 |
| 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 |
| Sulphuric acid, mono-C10-16-alkyl esters, sodium salts | Dermal | Rat | LD50 > 2,000 mg/kg |
| Sulphuric acid, mono-C10-16-alkyl esters, sodium salts | Ingestion | Rat | LD50 977 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 |
| 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 |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Dermal | Rabbit | LD50 87 mg/kg |
| 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 |
|------|---------|-------|
| | | |

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| | | |
|--------------------------------------------------------------------------------------------------------|--------|---------------------------|
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | Human | Irritant |
| Sulphuric acid, mono-C10-16-alkyl esters, sodium salts | Rabbit | Irritant |
| Sodium Chloride | Rabbit | No significant irritation |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | Rabbit | Mild irritant |
| 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 |
|--------------------------------------------------------------------------------------------------------|------------------------|-----------------|
| Alcohols, C10-16, ethoxylated, sulphates, sodium salts | Professional judgement | Severe irritant |
| Sulphuric acid, mono-C10-16-alkyl esters, sodium salts | Rabbit | Corrosive |
| Sodium Chloride | Rabbit | Mild irritant |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | Rabbit | Corrosive |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one | Rabbit | Corrosive |

Skin Sensitisation

| Name | Species | Value |
|--------------------------------------------------------------------------------------------------------|-------------------------|----------------|
| 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 |
|--------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------|
| 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 |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | In Vitro | Not mutagenic |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | In vivo | Not mutagenic |
| 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 |
|----------------------------------------------------------------|-----------|---------|------------------|
| Sodium Chloride | Ingestion | Rat | Not carcinogenic |
| Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl- | Dermal | Mouse | Not carcinogenic |

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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 | Ingestion | Rat | Not carcinogenic |

Reproductive Toxicity**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test result | Exposure Duration |
|-----------------------------------------------------------------------------------|-----------|----------------------------------------|---------|--------------------|----------------------|
| 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 |
|--------------------------------------------------------------------------------------------------------|------------|------------------------|------------------------------------------------------------------------------|------------------------|---------------------|-------------------|
| Sulphuric acid, mono-C10-16-alkyl esters, sodium salts | Inhalation | respiratory irritation | May cause respiratory irritation | similar health hazards | NOAEL Not available | |
| 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 |
|--------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------|-----------------------|-------------------|
| 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 |
| 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 |

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

M43, Marine Boat Wash (27-161C): M4364

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 |
|--------------------------------------------------------------------------------------------------------|------------|-----------------|-------------------------------------------------------|----------|--------------------------|-------------|
| 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 | Bluegill | Experimental | 96 hours | LC50 | 5,840 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 |
| Sulphuric acid, mono-C10-16-alkyl esters, sodium salts | 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 | | | |
| Amides, coco, N-(hydroxyethyl) | 68140-00-1 | Zebra Fish | Experimental | 96 hours | LC50 | 28.5 mg/l |
| Amides, coco, N-(hydroxyethyl) | 68140-00-1 | Crustacea other | Experimental | 48 hours | EC50 | >100 mg/l |
| Amides, coco, N-(hydroxyethyl) | 68140-00-1 | Water flea | Experimental | 24 hours | EC50 | 10 mg/l |
| Amides, coco, N-(hydroxyethyl) | 68140-00-1 | Green algae | Experimental | 96 hours | EC50 | 1 mg/l |
| Amides, coco, N-(hydroxyethyl) | 68140-00-1 | Green algae | Experimental | 96 hours | Effect Concentration 10% | 0.7 mg/l |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | 61789-40-0 | Water flea | Experimental | 24 hours | EC50 | 1.1 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 | Common Carp | Experimental | 96 hours | LC50 | 1.9 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 |
| 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 |

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|-----------------------------------------------------------------------------------------------|------------|-------------|--------------|----------|-----------------------------|------------|
| inner salts | | | | | | |
| Laurylsulfate Ester Triethanolamine Salt | 139-96-8 | Green algae | Estimated | 72 hours | EC50 | 512 mg/l |
| Laurylsulfate Ester Triethanolamine Salt | 139-96-8 | Fish other | Estimated | 96 hours | LC50 | 0.85 mg/l |
| Laurylsulfate Ester Triethanolamine Salt | 139-96-8 | Green algae | Estimated | 72 hours | Effect Concentration 10% | 26 mg/l |
| Laurylsulfate Ester Triethanolamine Salt | 139-96-8 | Water flea | Estimated | 7 days | NOEC | 1.3 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- 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 Chloride | 7647-14-5 | Data not availbl- insufficient | | | N/A | |
| Sulphuric acid, mono-C10- 16-alkyl esters, sodium salts | 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 |
| Amides, coco, N- (hydroxyethyl) | 68140-00-1 | Experimental Biodegradation | 19 days | BOD | 91 % weight | Other methods |
| 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 %removal of DOC | OECD 301E - Modified OECD Scre |
| Laurylsulfate Ester Triethanolamine Salt | 139-96-8 | Experimental Biodegradation | 30 days | BOD | 97 %BOD/CO D | OECD 301D - Closed bottle test |
| 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 |
|----------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------|----------|---------------------------|-------------|---------------------------------------|
| Sodium Chloride | 7647-14-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Sulphuric acid, mono-C10- 16-alkyl esters, sodium salts | 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 |
| Amides, coco, N- (hydroxyethyl) | 68140-00-1 | Estimated Bioconcentration | | Bioaccumulation factor | 5.8 | Estimated: Bioconcentration 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 |

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| | | | | | | |
|----------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------|-----|---------|--------|---------------|
| Laurylsulfate Ester Triethanolamine Salt | 139-96-8 | Estimated Bioconcentration | | Log Kow | ≤-2.03 | 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. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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/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**

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact manufacturer for more 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 new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA.

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. |
| 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.
Section 3: Composition/ Information of ingredients table information was added.
Section 3: Composition/ Information of ingredients table information was deleted.
Section 4: First aid for eye contact information information was modified.
Section 4: First aid for skin contact information information was modified.
Section 6: Accidental release personal information information was modified.
Section 7: Conditions safe storage information was modified.
Section 7: Precautions safe handling information information was modified.
Section 8: Appropriate Engineering controls information information was modified.
Section 8: Eye protection information information was added.
Section 8: Eye/face protection information information was deleted.
Section 8: glove data value information was modified.
Section 8: Personal Protection - Eye information information was deleted.
Section 8: Personal Protection - Skin/hand information information was modified.
Section 9: pH information information was modified.
Section 9: Property description for optional properties information was modified.
Section 9: Relative density information information was modified.
Section 9: Viscosity information information was modified.
Section 10: Materials to avoid physical property 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: Bioaccumulative potential information information was modified.

Section 13: EU waste code (product as sold) information information was modified.

Section 13: Standard Phrase Category Waste GHS information was modified.

Section 15: Chemical Safety Assessment information was modified.

Section 15: Regulations - Inventories 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