



Safety Data Sheet

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|------------------------|------------|-------------------------|------------|
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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

3M™ Perfect-It™ Boat Wash, 09034, 09035

Product Identification Numbers

UU-0063-2315-6 UU-0063-2316-4

7100094559 7100094558

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: 3M Ireland Limited, The Iveagh Building, The Park, Carrickmines, Dublin 18.
Telephone: +353 1 280 3555
E Mail: tox.uk@mmm.com
Website: www.3M.com

1.4. Emergency telephone number

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

A similar mixture has been tested for eye damage/irritation and the test results are reflected in the assigned classification.

A similar mixture has been tested for skin corrosion/irritation and the test results are reflected in the assigned classification.

CLASSIFICATION:

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315
 Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319
 Skin Sensitization, Category 1A - Skin Sens. 1A; H317
 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



Ingredients:

| Ingredient | CAS Nbr | EC No. | % by Wt |
|---|------------|-----------|----------|
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | 911-418-6 | < 0.0025 |

HAZARD STATEMENTS:

| | |
|------|--|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H317 | May cause an allergic skin reaction. |
| H412 | Harmful to aquatic life with long lasting effects. |

PRECAUTIONARY STATEMENTS

General:

P102 Keep out of reach of children.

Prevention:

P280E Wear protective gloves.

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.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

Disposal:

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

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

Contains a biocidal product (preservative): C(M)IT/MIT (3:1).

Notes on labelling

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

Ingredients required per 648/2004 (not required on industrial label): 5-15%: Anionic surfactant. <5%: Amphoteric surfactant.

Contains: Perfumes, Alpha-isomethyl ionone, Cinnamyl alcohol, Cinnamal, Mixture of Methylchloroisothiazolinone and Methylisothiazolinone (3:1).

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable

3.2. Mixtures

| Ingredient | Identifier(s) | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|----------|---|
| Water | (CAS-No.) 7732-18-5 (EC-No.) 231-791-2 | 70 - 90 | Substance not classified as hazardous |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | (CAS-No.) 85586-07-8 (EC-No.) 287-809-4 | 1 - 5 | Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |
| Cocoamidopropylbetaine | (CAS-No.) 61789-40-0 (EC-No.) 263-058-8 | 1 - 5 | Eye Dam. 1, H318 Aquatic Acute 1, H400,M=1 Aquatic Chronic 2, H411 |
| Sodium Chloride | (CAS-No.) 7647-14-5 (EC-No.) 231-598-3 | 1 - 5 | Substance not classified as hazardous |
| Dodecyldimethylamine oxide | (CAS-No.) 1643-20-5 (EC-No.) 216-700-6 | 1 - 5 | Aquatic Acute 1, H400,M=1 Aquatic Chronic 1, H410,M=1 |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | (EC-No.) 931-534-0 | 1 - 5 | Skin Irrit. 2, H315 Eye Dam. 1, H318 |
| Sodium Laurylpolyethoxyethanol Sulphate | (CAS-No.) 68891-38-3 (EC-No.) 500-234-8 | 1 - 5 | Aquatic Chronic 3, H412 Skin Irrit. 2, H315 Eye Dam. 1, H318 |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | (CAS-No.) 68411-30-3 (EC-No.) 270-115-0 | 1 - 5 | Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 |
| Fragrance Ingredient | Trade Secret | <= 0.1 | Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412 |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC | (CAS-No.) 55965-84-9 (EC-No.) 911-418-6 | < 0.0025 | EUH071 Acute Tox. 3, H301 Skin Corr. 1C, H314 |

| | | | |
|----------------------|--|--|---|
| no. 220-239-6] (3:1) | | | Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400,M=100 Aquatic Chronic 1, H410,M=100 Nota B Acute Tox. 2, H330 Acute Tox. 2, H310 |
|----------------------|--|--|---|

Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance.

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

Specific Concentration Limits

| Ingredient | Identifier(s) | Specific Concentration Limits |
|--|--|--|
| Cocoamidopropylbetaine | (CAS-No.) 61789-40-0 (EC-No.) 263-058-8 | (C >= 15%) Eye Dam. 1, H318 (5% <= C < 15%) Eye Irrit. 2, H319 |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | (CAS-No.) 55965-84-9 (EC-No.) 911-418-6 | (C >= 0.6%) Skin Corr. 1C, H314 (0.06% <= C < 0.6%) Skin Irrit. 2, H315 (C >= 0.6%) Eye Dam. 1, H318 (0.06% <= C < 0.6%) Eye Irrit. 2, H319 (C >= 0.0015%) Skin Sens. 1A, H317 |
| Sodium Laurylpolyethoxyethanol Sulphate | (CAS-No.) 68891-38-3 (EC-No.) 500-234-8 | (C >= 10%) Eye Dam. 1, H318 (5% <= C < 10%) Eye Irrit. 2, H319 |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | (EC-No.) 931-534-0 | (C >= 5%) Skin Irrit. 2, H315 (C >= 38%) Eye Dam. 1, H318 (5% <= C < 38%) Eye Irrit. 2, H319 |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | (CAS-No.) 85586-07-8 (EC-No.) 287-809-4 | (C >= 20%) Eye Dam. 1, H318 (10% <= C < 20%) Eye Irrit. 2, H319 |

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

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, 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

The most important symptoms and effects based on the CLP classification include:
Irritation to the skin (localized redness, swelling, itching, and dryness). Allergic skin reaction (redness, swelling, blistering, and itching). Serious irritation to the eyes (significant redness, swelling, pain, tearing, and impaired vision).

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.

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

Protect from sunlight. 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.

| | |
|--|---|
| Colour | Bright Yellow |
| Odor | Pleasant Odor, Fruity Odor, Sweet Clean |
| Odour threshold | <i>No data available.</i> |
| Melting point/freezing point | <i>Not applicable.</i> |
| Boiling point/boiling range | <i>No data available.</i> |
| Flammability (solid, gas) | Not applicable. |
| Flammable Limits(LEL) | <i>Not applicable.</i> |
| Flammable Limits(UEL) | <i>Not applicable.</i> |
| Flash point | No flash point |
| Autoignition temperature | <i>Not applicable.</i> |
| Decomposition temperature | <i>No data available.</i> |
| pH | 7.8 - 8.8 |
| Kinematic Viscosity | 144.230769230769 mm ² /sec |
| Water solubility | Complete |
| Solubility- non-water | Complete |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Vapour pressure | <i>No data available.</i> |
| Density | 1 g/cm ³ |
| Relative density | 0.995 - 1.042 [Ref Std: WATER=1] |
| Relative Vapor Density | <i>No data available.</i> |

9.2. Other information

9.2.2 Other safety characteristics

| | |
|-------------------------------|--|
| EU Volatile Organic Compounds | <i>No data available.</i> |
| Evaporation rate | <i>No data available.</i> |
| Percent volatile | 89.8 % weight [Test Method: 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> |
|----------------------------|------------------|
| Carbon monoxide | Not specified. |
| Carbon dioxide. | Not specified. |
| Irritant vapours or gases. | Not specified. |

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 internal hazard assessments.

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

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.
Allergic Skin Reaction (non-photo induced) in sensitive people: Signs/symptoms may include redness, swelling, blistering, and itching.

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 |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | Dermal | Rat | LD50 > 2,000 mg/kg |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | Ingestion | Rat | LD50 1,800 mg/kg |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Dermal | Rabbit | LD50 6,300 mg/kg |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Ingestion | Rat | LD50 2,079 mg/kg |
| Sodium Laurylpolyethoxyethanol Sulphate | Dermal | Rat | LD50 > 2,000 mg/kg |
| Sodium Laurylpolyethoxyethanol Sulphate | Ingestion | Rat | LD50 2,870 mg/kg |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | Dermal | Rat | LD50 > 2,000 mg/kg |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | Ingestion | Rat | LD50 1,080 mg/kg |
| Dodecyldimethylamine oxide | Ingestion | Mouse | LD50 2,700 mg/kg |
| Dodecyldimethylamine 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 |
| Fragrance Ingredient | Dermal | Rabbit | LD50 >2000, <5000 mg/kg |
| Fragrance Ingredient | Inhalation-Dust/Mist (4 hours) | Rat | LC50 >1, <5 mg/l |
| Fragrance Ingredient | Ingestion | Rat | LD50 1,430 mg/kg |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. | Dermal | Rabbit | LD50 87 mg/kg |

| | | | |
|--|--------------------------------|-----|----------------|
| 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | | | |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.33 mg/l |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Ingestion | Rat | LD50 40 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--|-------------------------|---------------------------|
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | Rabbit | Irritant |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Rabbit | Irritant |
| Sodium Laurylpolyethoxyethanol Sulphate | Rabbit | Irritant |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | Rabbit | Irritant |
| Cocoamidopropylbetaine | Rabbit | Mild irritant |
| Sodium Chloride | Rabbit | No significant irritation |
| Fragrance Ingredient | Multiple animal species | Irritant |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Rabbit | Corrosive |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|---------|-------------------|
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | Rabbit | Corrosive |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | Rabbit | Corrosive |
| Sodium Laurylpolyethoxyethanol Sulphate | Rabbit | Corrosive |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | Rabbit | Corrosive |
| Cocoamidopropylbetaine | Rabbit | Corrosive |
| Sodium Chloride | Rabbit | Mild irritant |
| Fragrance Ingredient | Rabbit | Moderate irritant |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Rabbit | Corrosive |

Skin Sensitisation

| Name | Species | Value |
|--|-------------------------|--|
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | Guinea pig | Not classified |
| Sodium Laurylpolyethoxyethanol Sulphate | Guinea pig | Not classified |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | Guinea pig | Not classified |
| Cocoamidopropylbetaine | Multiple animal species | Not classified |
| Dodecyl dimethylamine oxide | Guinea pig | Not classified |
| Fragrance Ingredient | Human | Some positive data exist, but the data are not sufficient for classification |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Human and animal | Sensitising |

Photosensitisation

| Name | Species | Value |
|--|-----------|-----------------|
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Human and | Not sensitising |

| | | |
|--|--------|--|
| | animal | |
|--|--------|--|

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 |
|--|----------|--|
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | In Vitro | Not mutagenic |
| Sodium Laurylpolyethoxyethanol Sulphate | In Vitro | Not mutagenic |
| Sodium Laurylpolyethoxyethanol Sulphate | In vivo | 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 |
| Fragrance Ingredient | In vivo | Not mutagenic |
| Fragrance Ingredient | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | In vivo | Not mutagenic |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 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 |
| Fragrance Ingredient | Ingestion | Mouse | Some positive data exist, but the data are not sufficient for classification |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Dermal | Mouse | Not carcinogenic |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Ingestion | Rat | Not carcinogenic |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|--|-----------|--|---------|---------------------|----------------------|
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | Ingestion | Not classified for development | Rat | NOAEL 250 mg/kg/day | during organogenesis |
| Sodium Laurylpolyethoxyethanol Sulphate | Ingestion | Not classified for female reproduction | Rat | NOAEL 300 mg/kg/day | 90 days |
| Sodium Laurylpolyethoxyethanol Sulphate | Ingestion | Not classified for male reproduction | Rat | NOAEL 300 mg/kg/day | 90 days |
| Sodium Laurylpolyethoxyethanol Sulphate | Ingestion | Not classified for development | Rat | NOAEL 300 mg/kg/day | 2 generation |
| Fragrance Ingredient | Ingestion | Not classified for female reproduction | Rat | NOAEL 5 mg/kg/day | 1 generation |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Ingestion | Not classified for female reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | Ingestion | Not classified for male reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 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 |
|---|------------|------------------------|--|------------------------|---------------------|-------------------|
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL not available | |
| Sodium Laurylpolyethoxyethanol Sulphate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | 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 | |
| Fragrance Ingredient | Inhalation | respiratory irritation | May cause respiratory irritation | Human and animal | NOAEL not available | |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 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 Laurylpolyethoxyethanol Sulphate | Dermal | skin heart endocrine system gastrointestinal tract hematopoietic system liver immune system nervous system eyes kidney and/or bladder respiratory system vascular system | Not classified | Mouse | NOAEL 6.91 mg/day | 90 days |
| Sodium Laurylpolyethoxyethanol Sulphate | Ingestion | blood eyes | Not classified | Rat | NOAEL 225 mg/kg/day | 90 days |
| 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 |
| Fragrance Ingredient | Inhalation | hematopoietic system liver nervous system respiratory system heart endocrine system gastrointestinal tract | Not classified | Rat | NOAEL 4.34 mg/l | 14 days |

| | | | | | | |
|----------------------|-----------|--|--|-----|---------------------|----------|
| | | kidney and/or bladder | | | | |
| Fragrance Ingredient | Ingestion | liver nervous system kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 400 mg/kg/day | 13 weeks |
| Fragrance Ingredient | Ingestion | gastrointestinal tract heart endocrine system bone, teeth, nails, and/or hair hematopoietic system immune system eyes respiratory system | Not classified | Rat | NOAEL 800 mg/kg/day | 13 weeks |

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.

11.2. Information on other hazards

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

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 |
|--|------------|---------------|--------------|----------|---------------|-------------|
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | 68411-30-3 | Bacteria | Experimental | 16 hours | NOEC | 30 mg/l |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | 68411-30-3 | Bluegill | Experimental | 96 hours | LC50 | 1.67 mg/l |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | 68411-30-3 | Green algae | Experimental | 72 hours | EC50 | 7.4 mg/l |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | 68411-30-3 | Water flea | Experimental | 48 hours | EC50 | 2.9 mg/l |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | 68411-30-3 | Green algae | Experimental | 72 hours | NOEC | 1.28 mg/l |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | 68411-30-3 | Rainbow trout | Experimental | 72 days | NOEC | 0.23 mg/l |
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium | 68411-30-3 | Water flea | Experimental | 21 days | NOEC | 1.18 mg/l |

| | | | | | | |
|---|------------|------------------|--------------|------------|------|--------------|
| salts | | | | | | |
| Cocoamidopropylbetaine | 61789-40-0 | Bacteria | Experimental | 30 minutes | NOEC | >3,000 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Common Carp | Experimental | 96 hours | LC50 | 1.9 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Green algae | Experimental | 96 hours | EC50 | 0.55 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Water flea | Experimental | 24 hours | EC50 | 1.1 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Green algae | Experimental | 72 hours | NOEC | 0.09 mg/l |
| Cocoamidopropylbetaine | 61789-40-0 | Water flea | Experimental | 21 days | NOEC | 0.9 mg/l |
| Dodecyldimethylamine oxide | 1643-20-5 | Green algae | Experimental | 72 hours | EC50 | 0.11 mg/l |
| Dodecyldimethylamine oxide | 1643-20-5 | Medaka | Experimental | 96 hours | LC50 | 30 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 |
| Sodium Chloride | 7647-14-5 | Activated sludge | Experimental | | NOEC | 8,000 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 | Water flea | Experimental | 48 hours | LC50 | 874 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 |
| Sodium Laurylpolyethoxyethanol Sulphate | 68891-38-3 | Bacteria | Experimental | 16 hours | EC10 | >10,000 mg/l |
| Sodium Laurylpolyethoxyethanol Sulphate | 68891-38-3 | Green algae | Experimental | 72 hours | EC50 | 27 mg/l |
| Sodium Laurylpolyethoxyethanol Sulphate | 68891-38-3 | Water flea | Experimental | 48 hours | EC50 | 7.2 mg/l |
| Sodium Laurylpolyethoxyethanol Sulphate | 68891-38-3 | Zebra Fish | Experimental | 96 hours | LC50 | 7.1 mg/l |
| Sodium Laurylpolyethoxyethanol Sulphate | 68891-38-3 | Water flea | Estimated | 21 days | NOEC | 0.27 mg/l |
| Sodium Laurylpolyethoxyethanol Sulphate | 68891-38-3 | Green algae | Experimental | 72 hours | NOEC | 0.95 mg/l |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | 931-534-0 | Diatom | Estimated | 72 hours | EC50 | 1.97 mg/l |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | 931-534-0 | Zebra Fish | Estimated | 96 hours | LC50 | 4.2 mg/l |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | 931-534-0 | Water flea | Experimental | 48 hours | EC50 | 4.53 mg/l |

| | | | | | | |
|--|--------------|------------------|--------------|----------|------|------------------------|
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | 931-534-0 | Diatom | Estimated | 72 hours | EC10 | 1.2 mg/l |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | 931-534-0 | Water flea | Experimental | 21 days | NOEC | 2.4 mg/l |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | Activated sludge | Estimated | 3 hours | EC50 | 135 mg/l |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | Green algae | Experimental | 72 hours | EC10 | 5.4 mg/l |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | Green algae | Experimental | 72 hours | EC50 | >20 mg/l |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | Rainbow trout | Experimental | 96 hours | LC50 | 3.6 mg/l |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | Water flea | Experimental | 48 hours | EC50 | 4.7 mg/l |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | Fathead minnow | Estimated | 42 days | NOEC | 1.4 mg/l |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | Water flea | Estimated | 7 days | NOEC | 0.88 mg/l |
| Fragrance Ingredient | Trade Secret | Algae | Experimental | 72 hours | EC50 | 32 mg/l |
| Fragrance Ingredient | Trade Secret | Bluegill | Experimental | 96 hours | LC50 | 1.07 mg/l |
| Fragrance Ingredient | Trade Secret | Mysid Shrimp | Experimental | 48 hours | LC50 | 1.3 mg/l |
| Fragrance Ingredient | Trade Secret | Water flea | Experimental | 48 hours | LC50 | 9 mg/l |
| Fragrance Ingredient | Trade Secret | Algae | Experimental | 72 hours | NOEC | 2 mg/l |
| Fragrance Ingredient | Trade Secret | Fathead minnow | Experimental | 7 days | NOEC | 0.12 mg/l |
| Fragrance Ingredient | Trade Secret | Activated sludge | Experimental | 3 hours | IC50 | 740 |
| Fragrance Ingredient | Trade Secret | Lettuce | Experimental | 14 days | EC50 | 448 mg/kg (Dry Weight) |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Activated sludge | Experimental | 3 hours | NOEC | 0.91 mg/l |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Bacteria | Experimental | 16 hours | EC50 | 5.7 mg/l |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Copepods | Experimental | 48 hours | EC50 | 0.007 mg/l |
| reaction mass of: 5-chloro-2-methyl-4- | 55965-84-9 | Diatom | Experimental | 72 hours | EC50 | 0.0199 mg/l |

| | | | | | | |
|--|------------|-------------------|--------------|----------|------|--------------|
| isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | | | | | | |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Green Algae | Experimental | 72 hours | EC50 | 0.027 mg/l |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Rainbow trout | Experimental | 96 hours | LC50 | 0.19 mg/l |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Sheepshead Minnow | Experimental | 96 hours | LC50 | 0.3 mg/l |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Water flea | Experimental | 48 hours | EC50 | 0.099 mg/l |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Diatom | Experimental | 48 hours | NOEC | 0.00049 mg/l |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Fathead minnow | Experimental | 36 days | NOEL | 0.02 mg/l |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Green Algae | Experimental | 72 hours | NOEC | 0.004 mg/l |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Water flea | Experimental | 21 days | NOEC | 0.004 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|-----------------------------|----------|---------------|------------------------------------|-----------------------------------|
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | 68411-30-3 | Experimental Biodegradation | 29 days | CO2 evolution | 85 %CO2 evolution/THC O2 evolution | OECD 301B - Modified sturm or CO2 |

| | | | | | | |
|--|--------------|-------------------------------|---------|--------------------------------|--|-----------------------------------|
| Cocoamidopropylbetaine | 61789-40-0 | Experimental Biodegradation | 28 days | Dissolv. Organic Carbon Deplet | 100 %removal of DOC | OECD 301E - Modif. OECD Screen |
| 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 | |
| Sodium Laurylpolyethoxyethanol Sulphate | 68891-38-3 | Experimental Biodegradation | 28 days | Dissolv. Organic Carbon Deplet | 100 % weight | Non-standard method |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | 931-534-0 | Experimental Biodegradation | 28 days | CO2 evolution | 80 %CO2 evolution/THC O2 evolution | OECD 301B - Modified sturm or CO2 |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | Experimental Biodegradation | 28 days | Percent degraded | 96 %degraded | OECD 301D - Closed bottle test |
| Fragrance Ingredient | Trade Secret | Experimental Biodegradation | 14 days | BOD | 66 % BOD/ThBOD | OECD 301C - MITI test (I) |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Estimated Photolysis | | Photolytic half-life (in air) | 1.2 days (t 1/2) | Non-standard method |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Experimental Hydrolysis | | Hydrolytic half-life | > 60 days (t 1/2) | Non-standard method |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Estimated Biodegradation | 29 days | CO2 evolution | 62 %CO2 evolution/THC O2 evolution (does not pass 10-day window) | OECD 301B - Modified sturm or CO2 |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|--|--------------|---|-----------|------------------------|-------------|--|
| Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts | 68411-30-3 | Experimental BCF - Fathead Minnow | 192 hours | Bioaccumulation factor | 2-987 | OECD 305E - Bioaccumulation flow-through fish test |
| Cocoamidopropylbetaine | 61789-40-0 | Estimated Bioconcentration | | Log Kow | 0.69 | Non-standard method |
| Dodecyldimethylamine oxide | 1643-20-5 | Estimated Bioconcentration | | Log Kow | 1.85 | Non-standard method |
| Sodium Chloride | 7647-14-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Sodium Laurylpolyethoxyethanol Sulphate | 68891-38-3 | Estimated Bioconcentration | | Bioaccumulation factor | 5.9 | Estimated: Bioconcentration factor |
| Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts | 931-534-0 | Estimated Bioconcentration | | Log Kow | -1.3 | Estimated: Octanol-water partition coefficient |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | Experimental Bioconcentration | | Log Kow | 0.78 | Non-standard method |
| Fragrance Ingredient | Trade Secret | Experimental Bioconcentration | | Log Kow | 1.4 | OECD 117 log Kow HPLC method |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 55965-84-9 | Estimated BCF - Bluegill | 28 days | Bioaccumulation factor | 54 | OECD 305E - Bioaccumulation flow-through fish test |

12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|-----------------------------|--------------|----------------------------|------------|-------------|----------------------|
| Dodecyltrimethylamine oxide | 1643-20-5 | Estimated Mobility in Soil | Koc | 1,100 l/kg | ACD/Labs ChemSketch™ |
| Fragrance Ingredient | Trade Secret | Modeled Mobility in Soil | Koc | 33 l/kg | Episuite™ |

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. Endocrine disrupting properties

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

12.7. 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

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

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 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC 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

Not hazardous for transportation.

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|-------------------------------------|------------------------|----------------------|-------------------------|
| 14.1 UN number | No data available. | No Data Available | No Data Available |
| 14.2 UN proper shipping name | No data available. | No Data Available | No Data Available |

| | | | |
|--|--|--|--|
| 14.3 Transport hazard class(es) | No data available. | No Data Available | No Data Available |
| 14.4 Packing group | No data available. | No Data Available | No Data Available |
| 14.5 Environmental hazards | No data available. | No Data Available | No Data Available |
| 14.6 Special precautions for user | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| 14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code | No data available. | No Data Available | No Data Available |
| Control Temperature | No data available. | No Data Available | No Data Available |
| Emergency Temperature | No data available. | No Data Available | No Data Available |
| ADR Tunnel Code | No data available. | Not Applicable | No Data Available |
| ADR Classification Code | No data available. | No Data Available | No Data Available |
| ADR Transport Category | No data available. | No Data Available | No Data Available |
| ADR Multiplier | No data available. | No Data Available | No Data Available |
| IMDG Segregation Code | No data available. | No Data Available | No Data Available |
| Transport not Permitted | No data available. | No Data Available | No Data Available |

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

SECTION 15: Regulatory information

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

Global inventory status

Contact 3M 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. All required components of this product are listed on the active portion of the TSCA 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

| | |
|--------|---|
| EUH071 | Corrosive to the respiratory tract. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H310 | Fatal 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. |
| H330 | Fatal if inhaled. |
| H332 | Harmful 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:

EU Section 09: pH information information was added.
Section 1: Emergency telephone information was modified.
CLP: Ingredient table information was modified.
Label: CLP Classification information was modified.
Label: CLP Percent Unknown information was deleted.
Section 03: Composition table % Column heading information was added.
Section 3: Composition/ Information of ingredients table information was modified.
Section 03: SCL table information was added.
Section 03: Substance not applicable information was added.
Section 04: First Aid - Symptoms and Effects (CLP) information was added.
Section 04: Information on toxicological effects information was modified.
Section 7: Precautions safe handling information information was modified.
Section 8: Personal Protection - Skin/body information information was deleted.
Section 8: Skin protection - protective clothing information information was deleted.
Section 9: Evaporation Rate information information was deleted.
Section 9: Explosive properties information information was deleted.
Section 09: Kinematic Viscosity information information was added.
Section 9: Melting point information information was modified.
Section 9: Oxidising properties information information was deleted.
Section 9: pH information information was deleted.

Section 9: Property description for optional properties information was modified.
Section 9: Vapour density value information was added.
Section 9: Vapour density value information was deleted.
Section 9: Viscosity information information was deleted.
Section 10: Hazardous decomposition or by-products table information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Carcinogenicity Table information was modified.
Section 11: Classification disclaimer information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Health Effects - Skin information information was modified.
Section 11: No endocrine disruptor information available warning information was added.
Section 11: Photosensitisation 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: 12.6. Endocrine Disrupting Properties information was added.
Section 12: 12.7. Other adverse effects information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Contact manufacturer for more detail. information was deleted.
Section 12: Mobility in soil information information was added.
Section 12: No endocrine disruptor information available warning information was added.
Section 12: Persistence and Degradability information information was modified.
Section 12: Biocumulative potential information information was modified.
Section 14 Classification Code – Main Heading information was added.
Section 14 Classification Code – Regulation Data information was added.
Section 14 Control Temperature – Main Heading information was added.
Section 14 Control Temperature – Regulation Data information was added.
Section 14 Disclaimer Information information was added.
Section 14 Emergency Temperature – Main Heading information was added.
Section 14 Emergency Temperature – Regulation Data information was added.
Section 14 Hazard Class + Sub Risk – Main Heading information was added.
Section 14 Hazard Class + Sub Risk – Regulation Data information was added.
Section 14 Hazardous/Not Hazardous for Transportation information was added.
Section 14 Multiplier – Main Heading information was added.
Section 14 Multiplier – Regulation Data information was added.
Section 14 Other Dangerous Goods – Main Heading information was added.
Section 14 Other Dangerous Goods – Regulation Data information was added.
Section 14 Packing Group – Main Heading information was added.
Section 14 Packing Group – Regulation Data information was added.
Section 14 Proper Shipping Name information was added.
Section 14 Regulations – Main Headings information was added.
Section 14 Segregation – Regulation Data information was added.
Section 14 Segregation Code – Main Heading information was added.
Section 14 Special Precautions – Main Heading information was added.
Section 14 Special Precautions – Regulation Data information was added.
Section 14 Transport Category – Main Heading information was added.
Section 14 Transport Category – Regulation Data information was added.
Section 14 Transport in bulk – Regulation Data information was added.
Section 14 Transport in bulk according to Annex II of Marpol and the IBC Code – Main Heading information was added.
Section 14 Transport Not Permitted – Main Heading information was added.
Section 14 Transport Not Permitted – Regulation Data information was added.
Section 14 Tunnel Code – Main Heading information was added.
Section 14 Tunnel Code – Regulation Data information was added.

Section 14 UN Number Column data information was added.

Section 14 UN Number information was added.

Section 15: Label remarks and EU Detergent information was modified.

Section 15: Regulations - Inventories information was added.

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: UK disclaimer information was deleted.

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