

Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the Malaysia Occupational Safety and Health (Chemical Classification, Labelling and Safety Data Sheets) Regulations 2013.

SECTION 1: Identification

1.1. Product identifier

PN39000W 3M Car Wash Soap with Wax

Product Identification Numbers

XI-0090-0025-2

1.2. Recommended use and restrictions on use

Recommended use

Car Wash and Wax, Car Shampoo, Car Soap

1.3. Supplier's details

ADDRESS: 3M Malaysia Sdn. Bhd., Level 8, Block F, Oasis Square, No.2, Jalan PJU 1A/7A, Ara Damansara 47301

Petaling, Jaya, Selangor

Telephone: 03-7884 2888

E Mail: 3mmyehsr@mmm.com Website: www.3M.com.my

1.4. Emergency telephone number

+60 03-7884 2888

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Serious Eye Damage/Irritation: Category 2. Chronic Aquatic Toxicity: Category 3.

2.2. Label elements

Signal word

Warning

Symbols

Exclamation mark |

Pictograms



Hazard Statements:

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

General:

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

P102 Keep out of reach of children.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

Disposal:

P501 Dispose of contents and container in accordance with applicable local, regional,

national, and international regulations.

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | C.A.S. No. | % by Wt |
|----------------------------|------------|---------|
| Water | 7732-18-5 | > 80 |
| SODIUM CHLORIDE | 7647-14-5 | 5 - 10 |
| SODIUM | 68891-38-3 | < 5 |
| LAURYLPOLYETHOXYETHANOL | | |
| SULFATE | | |
| 1,2-BENZISOTHIAZOLIN-3-ONE | 2634-33-5 | < 1 |

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

No critical symptoms or effects. 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. Suitable 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

Substance

Irritant Vapors or Gases

Condition

During Combustion

5.3. Special protective actions 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

Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes 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 in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapors/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. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

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 SDS.

8.2. Exposure controls

8.2.1. Engineering controls

No engineering controls required.

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

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: Polymer laminate

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used: Nitrile Rubber

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

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 vapors and particulates

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state | Liquid |
|----------------|-------------------|
| Color | Pink |
| Odor | Fragrant |
| Odor threshold | No Data Available |
| рН | 6.5 - 8.5 |

| Melting point/Freezing point | Not Applicable |
|---|--|
| Boiling point/Initial boiling point/Boiling range | No Data Available |
| Flash Point | Not Applicable |
| Evaporation rate | Not Applicable |
| Flammability | Not Applicable |
| | |
| Flammable Limits(LEL) | Not Applicable |
| Flammable Limits(UEL) | Not Applicable |
| Vapor Pressure | No Data Available |
| Relative Vapor Density | No Data Available |
| Density | 1.04 - 1.06 g/cm3 |
| Relative Density | 1.04 - 1.06 [<i>Ref Std:</i> WATER=1] |
| Water solubility | Complete |
| Solubility- non-water | Not Applicable |
| Partition coefficient: n-octanol/ water | No Data Available |
| Autoignition temperature | Not Applicable |
| Decomposition temperature | Not Applicable |
| Kinematic Viscosity | 1,905 mm2/sec |
| Volatile Organic Compounds | No Data Available |
| Percent volatile | No Data Available |
| VOC Less H2O & Exempt Solvents | No Data Available |

| Particle Characteristics | Not Applicable |
|--------------------------|----------------|

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 polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Substance
None known.

Condition

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be

relevant to the material as a whole.

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 health effects are expected.

Skin Contact:

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eve 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 diarrhea.

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 | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| SODIUM LAURYLPOLYETHOXYETHANOL SULFATE | Dermal | Rat | LD50 > 2,000 mg/kg |
| SODIUM LAURYLPOLYETHOXYETHANOL SULFATE | Ingestion | Rat | LD50 2,870 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 |
| 1,2-BENZISOTHIAZOLIN-3-ONE | Dermal | Rat | LD50 > 2,000 mg/kg |
| 1,2-BENZISOTHIAZOLIN-3-ONE | Inhalation- Dust/Mist (4 hours) | Rat | LC50 0.21 mg/l |
| 1,2-BENZISOTHIAZOLIN-3-ONE | Ingestion | Rat | LD50 450 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | | Value |
|--|--------|---------------------------|
| SODIUM LAURYLPOLYETHOXYETHANOL SULFATE | Rabbit | Irritant |
| SODIUM CHLORIDE | Rabbit | No significant irritation |
| 1,2-BENZISOTHIAZOLIN-3-ONE | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| | verious Lye Dumuge III tutton | | | | | | |
|------|--|---------|---------------|--|--|--|--|
| Name | | Species | Value | | | | |
| | SODIUM LAURYLPOLYETHOXYETHANOL SULFATE | Rabbit | Corrosive | | | | |
| | SODIUM CHLORIDE | Rabbit | Mild irritant | | | | |
| | 1,2-BENZISOTHIAZOLIN-3-ONE | Rabbit | Corrosive | | | | |

Sensitization:

Skin Sensitization

| Name | Species | Value |
|--|---------|----------------|
| | | |
| SODIUM LAURYLPOLYETHOXYETHANOL SULFATE | Guinea | Not classified |
| | pig | |
| 1,2-BENZISOTHIAZOLIN-3-ONE | Guinea | Sensitizing |
| | pig | |

Respiratory Sensitization

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

Germ Cell Mutagenicity

| Name | Route | Value | | |
|--|----------|--|--|--|
| SODIUM LAURYLPOLYETHOXYETHANOL SULFATE | In Vitro | Not mutagenic | | |
| SODIUM LAURYLPOLYETHOXYETHANOL SULFATE | 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 | | |
| 1,2-BENZISOTHIAZOLIN-3-ONE | In vivo | Not mutagenic | | |
| 1,2-BENZISOTHIAZOLIN-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 |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|--|-----------|--|---------|------------------------|----------------------|
| SODIUM LAURYLPOLYETHOXYETHANOL SULFATE | Ingestion | Not classified for female reproduction | Rat | NOAEL 300 mg/kg/day | 90 days |
| SODIUM LAURYLPOLYETHOXYETHANOL SULFATE | Ingestion | Not classified for male reproduction | Rat | NOAEL 300 mg/kg/day | 90 days |
| SODIUM LAURYLPOLYETHOXYETHANOL SULFATE | Ingestion | Not classified for development | Rat | NOAEL 300 mg/kg/day | 2 generation |
| 1,2-BENZISOTHIAZOLIN-3-ONE | Ingestion | Not classified for female reproduction | Rat | NOAEL 112 mg/kg/day | 2 generation |
| 1,2-BENZISOTHIAZOLIN-3-ONE | Ingestion | Not classified for male reproduction | Rat | NOAEL 112 mg/kg/day | 2 generation |
| 1,2-BENZISOTHIAZOLIN-3-ONE | Ingestion | Not classified for development | Rat | NOAEL 112 mg/kg/day | 2 generation |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|------------|------------------------|--|------------------------------|------------------------|----------------------|
| SODIUM LAURYLPOLYETHOXY ETHANOL SULFATE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| 1,2- BENZISOTHIAZOLIN-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 LAURYLPOLYETHOXY ETHANOL SULFATE | 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 LAURYLPOLYETHOXY ETHANOL SULFATE | Ingestion | blood eyes | Not classified | Rat | NOAEL 225 mg/kg/day | 90 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 |
| 1,2- BENZISOTHIAZOLIN-3- ONE | Ingestion | liver hematopoietic system eyes kidney and/or bladder respiratory system | Not classified | Rat | NOAEL 322 mg/kg/day | 90 days |
| 1,2- BENZISOTHIAZOLIN-3- ONE | Ingestion | heart endocrine system nervous system | Not classified | Rat | NOAEL 150 mg/kg/day | 28 days |

Aspiration Hazard

For the component/components, either no data are currently available or the data are 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 be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labeling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Acute aquatic hazard:

GHS Acute 3: Harmful to aquatic life.

Chronic aquatic hazard:

GHS Chronic 3: Harmful to aquatic life with long lasting effects

No product test data available

| Material | Cas # | Organism | Type | Exposure | Test Endpoint | Test Result |
|--------------------|-----------|------------------|--------------|----------|---------------|-------------|
| SODIUM CHLORIDE | 7647-14-5 | Activated sludge | Experimental | N/A | NOEC | 8,000 mg/l |
| SODIUM | 7647-14-5 | Algae or other | Experimental | 96 hours | EC50 | 2,430 mg/l |

| CHLORIDE | | aquatic plants | | | | |
|---------------|-------------|------------------|--------------|---|-------|-------------------------------|
| SODIUM | 7647-14-5 | Bluegill | Experimental | 96 hours | LC50 | 5,840 mg/l |
| CHLORIDE | | | | | | 7,010 |
| SODIUM | 7647-14-5 | Water flea | Experimental | 48 hours | LC50 | 874 mg/l |
| CHLORIDE | 1,01, 113 | Water freu | Емрегипении | To Hours | Less | o r mg r |
| SODIUM | 7647-14-5 | Fathead Minnow | Experimental | 33 days | NOEC | 252 mg/l |
| CHLORIDE | 7047-14-3 | athead Willinow | Experimental | 33 days | NOLC | 232 mg/1 |
| SODIUM | 7647-14-5 | Water flea | Experimental | 21 days | NOEC | 314 mg/l |
| | /04/-14-3 | water nea | Experimental | 21 days | NOEC | 314 mg/1 |
| CHLORIDE | (0001 20 2 | D : | P : 1 | 1.6.1 | E 050 | . 10.000 // |
| SODIUM | 68891-38-3 | Bacteria | Experimental | 16 hours | ErC50 | >10,000 mg/l |
| LAURYLPOLYET | | | | | | |
| HOXYETHANOL | | | | | | |
| SULFATE | | | | | | |
| SODIUM | 68891-38-3 | Green algae | Experimental | 72 hours | ErC50 | 27.7 mg/l |
| LAURYLPOLYET | | | | | | |
| HOXYETHANOL | | | | | | |
| SULFATE | | | | | | |
| SODIUM | 68891-38-3 | Water flea | Experimental | 48 hours | EC50 | 7.2 mg/l |
| LAURYLPOLYET | | | 1 | | | |
| HOXYETHANOL | | | | | | |
| SULFATE | | | | | | |
| SODIUM | 68891-38-3 | Zebra Fish | Experimental | 96 hours | LC50 | 7.1 mg/l |
| LAURYLPOLYET | 100071-30-3 | 20014 1 1511 | Laperimental | 70 Hours | 1200 | /.1 1115/1 |
| HOXYETHANOL | | | | | | |
| | | | | | | |
| SULFATE | (0001 20 2 | XXX . CI | 1 1 | 21.1 | NOEG | 0.27 // |
| SODIUM | 68891-38-3 | Water flea | Analogous | 21 days | NOEC | 0.27 mg/l |
| LAURYLPOLYET | | | Compound | | | |
| HOXYETHANOL | | | | | | |
| SULFATE | | | | | | |
| SODIUM | 68891-38-3 | Green algae | Experimental | 72 hours | NOEC | 0.95 mg/l |
| LAURYLPOLYET | | | | | | |
| HOXYETHANOL | | | | | | |
| SULFATE | | | | | | |
| 1.2- | 2634-33-5 | Green algae | Experimental | 72 hours | ErC50 | 0.11 mg/l |
| BENZISOTHIAZO | | 317011 111-5117 | | , = =================================== | | 1000 |
| LIN-3-ONE | | | | | | |
| 1,2- | 2634-33-5 | Rainbow Trout | Experimental | 96 hours | LC50 | 1.6 mg/l |
| BENZISOTHIAZO | | Kamoow Hout | Experimental | 70 Hours | LC30 | 1.0 mg/1 |
| LIN-3-ONE | | | | | | |
| | 2624 22 5 | C1 1 1 | Г | 061 | 1.050 | 16.7 |
| 1,2- | 2634-33-5 | Sheepshead | Experimental | 96 hours | LC50 | 16.7 mg/l |
| BENZISOTHIAZO | | Minnow | | | | |
| LIN-3-ONE | | | | | | |
| 1,2- | 2634-33-5 | Water flea | Experimental | 48 hours | EC50 | 2.9 mg/l |
| BENZISOTHIAZO | | | | | | |
| LIN-3-ONE | | | | | | |
| 1,2- | 2634-33-5 | Green algae | Experimental | 72 hours | NOEC | 0.0403 mg/l |
| BENZISOTHIAZO | | | | | | |
| LIN-3-ONE | | | | | | |
| 1,2- | 2634-33-5 | Activated sludge | Experimental | 3 hours | EC50 | 12.8 mg/l |
| BENZISOTHIAZO | | | | | | |
| LIN-3-ONE | | | | | | |
| 1,2- | 2634-33-5 | Bobwhite quail | Experimental | 14 days | LD50 | 617 mg per kg of bodyweight |
| BENZISOTHIAZO | | Boowinte quan | Experimental | 14 days | LDS0 | or / mg per kg or body weight |
| LIN-3-ONE | | | | | | |
| | 2624 22 5 | C-l-l | E | 14 | EC50 | 200/ (D W/ |
| 1,2- | 2634-33-5 | Cabbage | Experimental | 14 days | EC30 | 200 mg/kg (Dry Weight) |
| BENZISOTHIAZO | | | | | | |
| LIN-3-ONE | | | <u> </u> | | | |
| 1,2- | 2634-33-5 | Redworm | Experimental | 14 days | LC50 | >410.6 mg/kg (Dry Weight) |
| BENZISOTHIAZO | | | | | | |
| LIN-3-ONE | | | | | | |
| 1,2- | 2634-33-5 | Soil microbes | Experimental | 28 days | EC50 | >811.5 mg/kg (Dry Weight) |
| BENZISOTHIAZO | | | 1 | | 1 | |
| LIN-3-ONE | | | | | | |
| • | | • | | - | | |

12.2. Persistence and degradability

| Material | CAS No. | Test Type | Duration | Study Type | Test Result | Protocol |
|--|------------|--|----------|-----------------------------------|--|-----------------------------------|
| | | | | | | |
| SODIUM CHLORIDE | 7647-14-5 | Data not availbl- insufficient | N/A | N/A | N/A | N/A |
| SODIUM LAURYLPOLYET HOXYETHANOL SULFATE | 68891-38-3 | Experimental Biodegradation | 28 days | Dissolv. Organic Carbon Deplet | 100 %CO2 evolution/THCO2 evolution | EC C.4.C. CO2 Evolution Test |
| 1,2- BENZISOTHIAZO LIN-3-ONE | 2634-33-5 | Experimental Biodegradation | 28 days | Biological Oxygen Demand | 0 %BOD/ThOD | OECD 301C - MITI (I) |
| 1,2- BENZISOTHIAZO LIN-3-ONE | 2634-33-5 | Experimental Aquatic Inherent Biodegrad. | 34 days | Dissolv. Organic Carbon Deplet | 17 %removal of DOC | OECD 302A - Modified SCAS Test |
| 1,2- BENZISOTHIAZO LIN-3-ONE | 2634-33-5 | Experimental Biodegradation | 21 days | Dissolv. Organic Carbon Deplet | 80 %removal of DOC | OECD 303A - Simulated Aerobic |
| 1,2- BENZISOTHIAZO LIN-3-ONE | 2634-33-5 | Experimental Biodegradation | | Half-life (t 1/2) | 4 hours (t 1/2) | |
| 1,2- BENZISOTHIAZO LIN-3-ONE | 2634-33-5 | Experimental Hydrolysis | | Hydrolytic half-life | >1 years (t 1/2) | OECD 111 Hydrolysis func of pH |

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 |
| SODIUM LAURYLPOLYET HOXYETHANOL SULFATE | 68891-38-3 | Experimental Bioconcentration | | Log of Octanol/H2O part. coeff | 0.3 | OECD 123 log Kow slow stir |
| 1,2- BENZISOTHIAZO LIN-3-ONE | 2634-33-5 | Experimental BCF - Fish | , | Bioaccumulation Factor | 6.62 | similar to OECD 305 |
| 1,2- BENZISOTHIAZO LIN-3-ONE | 2634-33-5 | Experimental Bioconcentration | | Log of Octanol/H2O part. coeff | 1.45 | OECD 107 log Kow shke flsk mtd |

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Disposal methods

According to the Environmental Quality (Scheduled Wastes) Regulations 2005, scheduled waste has to be sent to a prescribed premise for recycling, treatment or disposal. Please approach Kualiti Alam for proper schedule waste classification and disposal.

SECTION 14: Transport Information

Not hazardous for transportation.

Marine Transport (IMDG)

UN Number: None assigned.

Proper Shipping Name: None assigned.

Technical Name: None assigned.

Hazard Class/Division: None assigned.

Subsidiary Risk: None assigned. Packing Group: None assigned. Limited Quantity: None assigned. Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

None assigned.

Air Transport (IATA)

UN Number: None assigned.

Proper Shipping Name: None assigned.

Technical Name: None assigned.

Hazard Class/Division: None assigned.

Subsidiary Risk: None assigned. **Packing Group:** None assigned.

Limited Quantity: None assigned. Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

None assigned.

Transportation classifications are provided as a customer service. As for shipping, YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling or marking requirements. The above information is only for reference. If you are shipping by air or ocean, YOU are advised to check & meet applicable regulatory requirements.

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.

SECTION 16: Other information

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