



Safety Data Sheet

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

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

1.1. Product identifier

G171, Headlight Protectant (XP4-137A): G17104, G17110

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

Identified uses

Automotive

1.3. Details of the supplier of the safety data sheet

ADDRESS: GR_GCSL - Local CUNO Address
Telephone: GR_GCSL - Local Meguiar's Telephone
E Mail: GR_GCSL - Local Meguiar's Email
Website: GR_GCSL - Local Meguiar's Website

1.4. Emergency telephone number

GR_GCSL - Local Meguiar's Emergency Telephone

SECTION 2: Hazard identification**2.1. Classification of the substance or mixture**
CLP REGULATION (EC) No 1272/2008**CLASSIFICATION:**

Skin Sensitization, Category 1A - Skin Sens. 1A; H317

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 | C.A.S. No. | EC No. | % by Wt |
|--|-------------|-----------|---------|
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate | 41556-26-7 | 255-437-1 | 0.1 - 1 |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | 104810-48-2 | | 0.1 - 1 |
| Polymeric Benzotriazole | 104810-47-1 | | 0.1 - 1 |
| METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL SEBACATE | 82919-37-7 | 280-060-4 | < 0.1 |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | 55965-84-9 | | < 0.001 |

HAZARD STATEMENTS:

H317 May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS**General:**P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.**Prevention:**

P280E Wear protective gloves.

Response:

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

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | EC No. | REACH Registration No. | % by Wt | Classification |
|--|--------------|-----------|------------------------|---------|--|
| NON-HAZARDOUS INGREDIENTS | Mixture | | | 60 - 80 | Substance not classified as hazardous |
| POLY(DIMETHYLSILOXANE) | 63148-62-9 | | | 10 - 30 | Substance not classified as hazardous |
| White Mineral Oil (Petroleum) | 8042-47-5 | 232-455-8 | | 5 - 10 | **Asp. Tox. 1**, H304 |
| ACRYLIC POLYMER | Trade Secret | | | 1 - 5 | Substance not classified as hazardous |
| Processed Castor Oil | Trade Secret | | | 1 - 5 | Substance not classified as hazardous |
| Polymeric Benzotriazole | 104810-47-1 | | | 0.1 - 1 | **Skin Sens. 1**, H317 |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | 104810-48-2 | | | 0.1 - 1 | **Skin Sens. 1**, H317 |
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate | 41556-26-7 | 255-437-1 | | 0.1 - 1 | **Skin Sens. 1A**, H317; **Aquatic Acute 1**, H400,M=1; **Aquatic Chronic 1**, H410,M=1 |
| METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL SEBACATE | 82919-37-7 | 280-060-4 | | < 0.1 | **Skin Sens. 1A**, H317; **Aquatic Acute 1**, H400,M=1; **Aquatic Chronic 1**, H410,M=1 |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | 55965-84-9 | | | < 0.001 | **Acute Tox. 3**, H331; **Acute Tox. 3**, H311; **Acute Tox. 3**, H301; **Skin Corr. 1B**, H314; **Skin Sens. 1A**, H317; **Aquatic Acute 1**, H400,M=1; **Aquatic Chronic 1**, H410,M=1 |

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

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

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

Inhalation:

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

Skin Contact:

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

Eye Contact:

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If Swallowed:

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

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

See Section 11.1. Information on toxicological effects.

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

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Formaldehyde
Carbon monoxide
Carbon dioxide

Condition

During Combustion
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. Ventilate the area with fresh air. 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.

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/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. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Protect from sunlight. Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidizing 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

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient | C.A.S. No. | Agency | Limit type | Additional Comments |
|--------------|------------|-------------|--|---------------------|
| Paraffin oil | 8042-47-5 | Greece OELs | TWA(as mist)(8 hours):5 mg/m ³ | |

Greece OELs : Greece. OELs (Decree No. 90/1999, as amended)

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

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/vapors/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 |
|------------------|-----------------------|--------------------------|
| Polymer laminate | No data available | No data available |

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

None required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|--|---|
| Physical state | Liquid |
| Appearance/Odor | Semi-pourable creamy gel; Pleasant odor |
| Odor threshold | <i>No Data Available</i> |
| pH | 8.5 - 9.5 |
| Boiling point/boiling range | <i>No Data Available</i> |
| Melting point | <i>No Data Available</i> |
| Flammability (solid, gas) | Not Applicable |
| Explosive properties: | Not Classified |
| Oxidising properties: | Not Classified |
| Flash Point | ≥ 93.3 °C [<i>Test Method</i> :Pensky-Martens Closed Cup] |
| Flash Point | Flash point > 93 °C (200 °F) |
| Autoignition temperature | <i>No Data Available</i> |
| Flammable Limits(LEL) | <i>No Data Available</i> |
| Flammable Limits(UEL) | <i>No Data Available</i> |
| Relative Density | 0.93 - 1.03 [<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> |
| Vapor Density | <i>No Data Available</i> |
| Decomposition temperature | <i>No Data Available</i> |
| Viscosity | 4,000 - 7,000 mPa-s |
| Density | 0.93 - 1.03 g/ml |

9.2. Other information

| | |
|-------------------------|--------------------------|
| Molecular weight | <i>No Data Available</i> |
|-------------------------|--------------------------|

SECTION 10: Stability and reactivity**10.1. Reactivity**

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Strong oxidizing agents

Strong acids

Strong bases

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:

Contact with the skin during product use is not expected to result in significant irritation. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

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 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 |
| POLY(DIMETHYLSILOXANE) | Dermal | Rabbit | LD50 > 19,400 mg/kg |
| POLY(DIMETHYLSILOXANE) | Ingestion | Rat | LD50 > 17,000 mg/kg |
| White Mineral Oil (Petroleum) | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| White Mineral Oil (Petroleum) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | Dermal | Rat | LD50 > 2,000 mg/kg |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.8 mg/l |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate | Dermal | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate | Ingestion | Rat | LD50 3,125 mg/kg |
| Polymeric Benzotriazole | Dermal | Rat | LD50 > 2,000 mg/kg |
| Polymeric Benzotriazole | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 5.8 mg/l |
| Polymeric Benzotriazole | Ingestion | Rat | LD50 > 5,000 mg/kg |
| METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL SEBACATE | Dermal | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL SEBACATE | Ingestion | Rat | LD50 3,125 mg/kg |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Dermal | Rabbit | LD50 87 mg/kg |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.33 mg/l |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Ingestion | Rat | LD50 40 mg/kg |

ATE = acute toxicity estimate

G171, Headlight Protectant (XP4-137A): G17104, G17110**Skin Corrosion/Irritation**

| Name | Species | Value |
|--|---------|---------------------------|
| POLY(DIMETHYLSILOXANE) | Rabbit | No significant irritation |
| White Mineral Oil (Petroleum) | Rabbit | No significant irritation |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | Rabbit | No significant irritation |
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidiny) Sebacate | Rabbit | No significant irritation |
| Polymeric Benzotriazole | Rabbit | No significant irritation |
| METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL SEBACATE | Rabbit | No significant irritation |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Rabbit | Corrosive |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|---------|---------------------------|
| POLY(DIMETHYLSILOXANE) | Rabbit | No significant irritation |
| White Mineral Oil (Petroleum) | Rabbit | Mild irritant |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | Rabbit | No significant irritation |
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidiny) Sebacate | Rabbit | No significant irritation |
| Polymeric Benzotriazole | Rabbit | No significant irritation |
| METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL SEBACATE | Rabbit | No significant irritation |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Rabbit | Corrosive |

Skin Sensitization

| Name | Species | Value |
|--|------------------|----------------|
| White Mineral Oil (Petroleum) | Guinea pig | Not classified |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | Guinea pig | Sensitizing |
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidiny) Sebacate | Guinea pig | Sensitizing |
| Polymeric Benzotriazole | Guinea pig | Sensitizing |
| METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL SEBACATE | Guinea pig | Sensitizing |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Human and animal | Sensitizing |

Photosensitization

| Name | Species | Value |
|--|------------------|-----------------|
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Human and animal | Not sensitizing |

Respiratory Sensitization

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

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Germ Cell Mutagenicity

| Name | Route | Value |
|--|----------|--|
| White Mineral Oil (Petroleum) | In Vitro | Not mutagenic |
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate | In Vitro | Not mutagenic |
| METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL SEBACATE | In Vitro | Not mutagenic |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | In vivo | Not mutagenic |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name | Route | Species | Value |
|--|------------|-------------------------|------------------|
| White Mineral Oil (Petroleum) | Dermal | Mouse | Not carcinogenic |
| White Mineral Oil (Petroleum) | Inhalation | Multiple animal species | Not carcinogenic |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Dermal | Mouse | Not carcinogenic |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Ingestion | Rat | Not carcinogenic |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|--|-----------|--|---------|-----------------------|----------------------|
| White Mineral Oil (Petroleum) | Ingestion | Not classified for female reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| White Mineral Oil (Petroleum) | Ingestion | Not classified for male reproduction | Rat | NOAEL 4,350 mg/kg/day | 13 weeks |
| White Mineral Oil (Petroleum) | Ingestion | Not classified for development | Rat | NOAEL 4,350 mg/kg/day | during gestation |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Ingestion | Not classified for female reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Ingestion | Not classified for male reproduction | Rat | NOAEL 10 mg/kg/day | 2 generation |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | 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 |
|--|------------|------------------------|--|------------------------|---------------------|-------------------|
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |

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| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|-------------------------------|-----------|-----------------------|----------------|---------|-----------------------------|-------------------|
| White Mineral Oil (Petroleum) | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 1,381 mg/kg/day | 90 days |
| White Mineral Oil (Petroleum) | Ingestion | liver immune system | Not classified | Rat | NOAEL 1,336 mg/kg/day | 90 days |

Aspiration Hazard

| Name | Value |
|-------------------------------|-------------------|
| White Mineral Oil (Petroleum) | Aspiration hazard |

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

SECTION 12: Ecological information

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

12.1. Toxicity

No product test data available

| Material | Cas # | Organism | Type | Exposure | Test Endpoint | Test Result |
|--|------------|------------|--------------|----------|----------------------|-------------|
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | 55965-84-9 | Diatom | Experimental | 72 hours | No obs Effect Conc | 0.01 mg/l |
| 3(2H)-Isothiazolone, | 55965-84-9 | Water flea | Experimental | 48 hours | Effect Concentration | 0.18 mg/l |

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| | | | | | | |
|--|-------------|----------------|---|----------|--------------------------|------------|
| 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | | | | | 50% | |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | 55965-84-9 | Diatom | Experimental | 72 hours | Effect Concentration 50% | 0.021 mg/l |
| Polymeric Benzotriazole | 104810-47-1 | Water flea | Experimental | 48 hours | Effect Concentration 50% | 4 mg/l |
| Polymeric Benzotriazole | 104810-47-1 | Rainbow Trout | Experimental | 96 hours | Lethal Concentration 50% | 2.8 mg/l |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | 104810-48-2 | Rainbow Trout | Experimental | 96 hours | Lethal Concentration 50% | 2.8 mg/l |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | 104810-48-2 | Water flea | Experimental | 48 hours | Effect Concentration 50% | 4 mg/l |
| POLY(DIMETHYLSILOXANE) | 63148-62-9 | | Data not available or insufficient for classification | | | |
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate | 41556-26-7 | Fathead Minnow | Estimated | 96 hours | Lethal Concentration 50% | 0.36 mg/l |
| METHYL 1,2,2,6,6-PENTAMETH | 82919-37-7 | Fathead Minnow | Estimated | 96 hours | Lethal Concentration 50% | 0.82 mg/l |

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| | | | | | | |
|-------------------------------|-----------|-------------|--------------|----------|---------------------|-----------|
| YL-4-PIPERIDINYL SEBACATE | | | | | | |
| White Mineral Oil (Petroleum) | 8042-47-5 | Bluegill | Experimental | 96 hours | Lethal Level 50% | >100 mg/l |
| White Mineral Oil (Petroleum) | 8042-47-5 | Water flea | Estimated | 21 days | No obs Effect Level | >100 mg/l |
| White Mineral Oil (Petroleum) | 8042-47-5 | Water flea | Estimated | 48 hours | Effect Level 50% | >100 mg/l |
| White Mineral Oil (Petroleum) | 8042-47-5 | Green algae | Estimated | 72 hours | No obs Effect Level | >100 mg/l |

12.2. Persistence and degradability

| Material | CAS No. | Test Type | Duration | Study Type | Test Result | Protocol |
|--|-------------|---|----------|--------------------------|---------------|-------------------------------|
| POLY(DIMETHYLSILOXANE) | 63148-62-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | 55965-84-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL SEBACATE | 82919-37-7 | Estimated Biodegradation | 28 days | Biological Oxygen Demand | 51 % weight | OECD 301C - MITI (I) |
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidinyl) Sebacate | 41556-26-7 | Estimated Biodegradation | 28 days | Biological Oxygen Demand | 32.8 % weight | OECD 301C - MITI (I) |
| Polymeric Benzotriazole | 104810-47-1 | Experimental Biodegradation | 28 days | Carbon dioxide evolution | 24 % weight | OECD 301B - Mod. Sturm or CO2 |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | 104810-48-2 | Experimental Biodegradation | 28 days | Carbon dioxide evolution | 24 % weight | OECD 301B - Mod. Sturm or CO2 |
| White Mineral | 8042-47-5 | Experimental | 28 days | Carbon dioxide | 0 % weight | OECD 301B - Mod. |

| | | | | | | |
|-----------------|--|----------------|--|-----------|--|--------------|
| Oil (Petroleum) | | Biodegradation | | evolution | | Sturm or CO2 |
|-----------------|--|----------------|--|-----------|--|--------------|

12.3. Bioaccumulative potential

| Material | CAS No. | Test Type | Duration | Study Type | Test Result | Protocol |
|--|-------------|---|----------|------------------------|-------------|------------------------------|
| 3(2H)-Isothiazolone, 5-Chloro-2-Methyl-, Mixt. With 2-Methyl-3(2H)-Isothiazolone | 55965-84-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| POLY(DIMETHYLSILOXANE) | 63148-62-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| White Mineral Oil (Petroleum) | 8042-47-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Bis(1,2,2,6,6-Pentamethyl-4-Piperidiny) Sebacate | 41556-26-7 | Estimated Bioconcentration | | Bioaccumulation Factor | 5.96 | Est: Bioconcentration factor |
| METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL SEBACATE | 82919-37-7 | Estimated Bioconcentration | | Bioaccumulation Factor | 11 | Est: Bioconcentration factor |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-[3-[3-(2H-Benzotriazol-2-Yl)-5-(1,1-Dimethylethyl)-4-Hydroxyphenyl]-1-Oxopropyl]-.Omega.-Hydroxy- | 104810-48-2 | Experimental BCF - Rainbow Tr | | Bioaccumulation Factor | 34 | Other methods |
| Polymeric Benzotriazole | 104810-47-1 | Experimental BCF - Rainbow Tr | | Bioaccumulation Factor | 34 | Other methods |

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

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

12.6. Other adverse effects

No information available

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 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)

200115* Alkalines

SECTION 14: Transportation information

ADR/IMDG/IATA: Not restricted for transport.

SECTION 15: Regulatory information

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

Global inventory status

One or more of the components of this product have been notified to ELINCS (European List of Notified or New Chemical Substances). Certain restrictions apply. Contact the selling division for additional information. 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 material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

| | |
|------|---|
| H301 | Toxic if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H331 | Toxic if inhaled. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Revision information:

Section 02: CLP Ingredient table information was modified.
Section 03: Composition/ Information of ingredients table information was added.
Section 03: Composition/ Information of ingredients table information was deleted.
Section 09: Flash point information information was modified.
Section 09: Relative density information information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12: Biocumulative potential information information was modified.
Section 15: Regulations - Inventories 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.

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