



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

3M(TM) Scotch-Weld(TM) Threadlocker TL62, Red

Product Identification Numbers

| | | | | |
|----------------|----------------|----------------|----------------|----------------|
| 62-3495-1060-2 | 62-3495-1065-1 | 62-3495-3960-1 | 62-3495-5060-8 | 62-3495-8360-9 |
| UU-0015-1097-1 | UU-0015-5272-6 | | | |

1.2. Recommended use and restrictions on use

Recommended use

Adhesive

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.

Skin Corrosion/Irritation: Category 2.

Skin Sensitizer: Category 1.

Carcinogenicity: Category 1B.

Specific Target Organ Toxicity (repeated exposure): Category 2.

Chronic Aquatic Toxicity: Category 2.

2.2. Label elements

Signal word

Danger

3M(TM) Scotch-Weld(TM) Threadlocker TL62, Red

Symbols

Exclamation mark | Health Hazard | Environment |

Pictograms



Hazard Statements

| | |
|------|--|
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H350 | May cause cancer. |
| H373 | May cause damage to organs through prolonged or repeated exposure: nervous system respiratory system |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

General:

| | |
|------|---|
| P102 | Keep out of reach of children. |
| P101 | If medical advice is needed, have product container or label at hand. |

Prevention:

| | |
|-------|---|
| P201 | Obtain special instructions before use. |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| P280B | Wear protective gloves and eye/face protection. |
| P281 | Use personal protective equipment as required. |
| P273 | Avoid release to the environment. |

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. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P308 + P313 | IF exposed or concerned: Get medical advice/attention. |

Storage:

| | |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

Disposal:

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

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

This material is a mixture.

3M(TM) Scotch-Weld(TM) Threadlocker TL62, Red

| Ingredient | C.A.S. No. | % by Wt |
|---|-------------------|----------------|
| Polyethylene Glycol Dimethacrylate | 25852-47-5 | 50 - 80 |
| Polyester Resin (NJTS Reg. No. 04499600-7087) | Trade Secret | 10 - 30 |
| Hydroxypropyl Methacrylate | 27813-02-1 | 1 - 10 |
| Amorphous Silica | 112945-52-5 | 1 - 5 |
| Filler | Trade Secret | 1 - 5 |
| Saccharin | 81-07-2 | <= 2 |
| Acrylic Acid | 79-10-7 | <= 1.5 |
| Cumene Hydroperoxide | 80-15-9 | < 1.5 |
| 2,2'-(p-Tolylimino)diethanol | 3077-12-1 | < 1 |
| Triethylene Glycol Dimethacrylate | 109-16-0 | < 1 |
| Ethylene Glycol | 107-21-1 | <= 0.9 |
| 1-Acetyl-2-Phenylhydrazine | 114-83-0 | <= 0.5 |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | <= 0.5 |
| Methyl Methacrylate | 80-62-6 | <= 0.2 |
| N,N-Dimethyl-p-Toluidine | 99-97-8 | <= 0.2 |

Any remaining components do not contribute to the hazards of this material.

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

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**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products**Substance****Condition**

3M(TM) Scotch-Weld(TM) Threadlocker TL62, Red

Carbon monoxide
Carbon dioxide
Oxides of Nitrogen
Oxides of Sulfur

During Combustion
During Combustion
During Combustion
During Combustion

5.3. Special protective actions for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

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 vapors, 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 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 an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. 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

Do not handle until all safety precautions have been read and understood. Do not breathe 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.) Use personal protective equipment (gloves, respirators, etc.) as required.

7.2. Conditions for safe storage including any incompatibilities

Protect from sunlight. Store away from heat. Store away from oxidizing agents.

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 |
|-----------------|------------|---------------|---|--------------------------------|
| Ethylene Glycol | 107-21-1 | ACGIH | TWA(Vapor fraction):25 ppm;STEL(Vapor fraction):50 ppm;STEL(Inhalable aerosol):10 mg/m3 | A4: Not class. as human carcin |
| Ethylene Glycol | 107-21-1 | Malaysia OELs | CEIL(as aerosol):100 | |

3M(TM) Scotch-Weld(TM) Threadlocker TL62, Red

| | | | | |
|----------------------------|----------|---------------|---|--|
| | | | mg/m3(39.4 ppm) | |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | ACGIH | TWA(inhalable fraction and vapor):2 mg/m3 | A4: Not class. as human carcin |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | Malaysia OELs | TWA(8 hours):10 mg/m3 | |
| Acrylic Acid | 79-10-7 | ACGIH | TWA:2 ppm | A4: Not class. as human carcin, Danger of cutaneous absorption |
| Acrylic Acid | 79-10-7 | Malaysia OELs | TWA(8 hours):5.9 mg/m3(2 ppm) | SKIN |
| Methyl Methacrylate | 80-62-6 | ACGIH | TWA:50 ppm;STEL:100 ppm | A4: Not class. as human carcin, Dermal Sensitizer |
| Methyl Methacrylate | 80-62-6 | Malaysia OELs | TWA(8 hours):410 mg/m3(100 ppm) | |

ACGIH : American Conference of Governmental Industrial Hygienists

CMRG : Chemical Manufacturer's Recommended Guidelines

Malaysia OELs : Malaysia. Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations

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**

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

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

3M(TM) Scotch-Weld(TM) Threadlocker TL62, Red

| | |
|--|--|
| Specific Physical Form: | Thixotropic Liquid |
| Color | Red |
| Odor | Mild Odor |
| Odor threshold | <i>No Data Available</i> |
| pH | <i>Not Applicable</i> |
| Melting point/Freezing point | <i>Not Applicable</i> |
| Boiling point/Initial boiling point/Boiling range | ≥ 148.9 °C [<i>@ 101,324.72 Pa</i>] |
| Flash Point | ≥ 100 °C [<i>Test Method: Tagliabue Closed Cup</i>] |
| Evaporation rate | Negligible |
| Flammability (solid, gas) | Not Applicable |
| Flammable Limits(LEL) | <i>No Data Available</i> |
| Flammable Limits(UEL) | <i>No Data Available</i> |
| Vapor Pressure | ≤ 666.6 Pa |
| Vapor Density and/or Relative Vapor Density | 1.01 [<i>Ref Std: AIR=1</i>] |
| Density | 1.1 - 1.15 g/ml [<i>@ 20 °C</i>] |
| Relative Density | 1.1 - 1.15 [<i>@ 20 °C</i>] [<i>Ref Std: WATER=1</i>] |
| Water solubility | Negligible |
| Solubility- non-water | <i>No Data Available</i> |
| Partition coefficient: n-octanol/ water | <i>No Data Available</i> |
| Autoignition temperature | <i>No Data Available</i> |
| Decomposition temperature | <i>No Data Available</i> |
| Viscosity/Kinematic Viscosity | 3,000 - 7,500 mPa-s [<i>@ 20 °C</i>] |
| Volatile Organic Compounds | |
| Percent volatile | |
| VOC Less H2O & Exempt Solvents | < 5 g/l [<i>Test Method: calculated SCAQMD rule 443.1</i>] |

Nanoparticles

This material contains nanoparticles.

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

Light

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products**Substance****Condition**

None known.

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:

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May cause additional health effects (see below).

Skin Contact:

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

May cause additional health effects (see below).

Additional Health Effects:

Prolonged or repeated exposure may cause target organ effects:

Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate.

Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure.

Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

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 | Inhalation-Vapor(4 hr) | | No data available; calculated ATE >50 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |

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| | | | |
|------------------------------------|--------------------------------|------------------------|--|
| Polyethylene Glycol Dimethacrylate | Dermal | Rabbit | LD50 15,500 mg/kg |
| Polyethylene Glycol Dimethacrylate | Ingestion | Rat | LD50 9,400 mg/kg |
| Hydroxypropyl Methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Hydroxypropyl Methacrylate | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Amorphous Silica | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Amorphous Silica | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 0.691 mg/l |
| Amorphous Silica | Ingestion | Rat | LD50 > 5,110 mg/kg |
| Saccharin | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Saccharin | Ingestion | Mouse | LD50 17,000 mg/kg |
| Acrylic Acid | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Acrylic Acid | Inhalation-Dust/Mist (4 hours) | Rat | LC50 3.8 mg/l |
| Acrylic Acid | Ingestion | Rat | LD50 1,250 mg/kg |
| Cumene Hydroperoxide | Dermal | Rat | LD50 500 mg/kg |
| Cumene Hydroperoxide | Inhalation-Vapor (4 hours) | Rat | LC50 1.4 mg/l |
| Cumene Hydroperoxide | Ingestion | Rat | LD50 382 mg/kg |
| Triethylene Glycol Dimethacrylate | Dermal | Professional judgement | LD50 estimated to be > 5,000 mg/kg |
| Triethylene Glycol Dimethacrylate | Ingestion | Rat | LD50 10,837 mg/kg |
| Ethylene Glycol | Ingestion | Human | LD50 1,600 mg/kg |
| Ethylene Glycol | Inhalation-Dust/Mist (4 hours) | Other | LC50 estimated to be 5 - 12.5 mg/l |
| Ethylene Glycol | Dermal | Rabbit | 9,530 mg/kg |
| 2,6-di-tert-Butyl-p-cresol | Dermal | Rat | LD50 > 2,000 mg/kg |
| 2,6-di-tert-Butyl-p-cresol | Ingestion | Rat | LD50 > 2,930 mg/kg |
| 1-Acetyl-2-Phenylhydrazine | Dermal | | LD50 estimated to be 200 - 1,000 mg/kg |
| 1-Acetyl-2-Phenylhydrazine | Ingestion | Mouse | LD50 270 mg/kg |
| 2,2'-(p-Tolylimino)diethanol | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| 2,2'-(p-Tolylimino)diethanol | Ingestion | Rat | LD50 959 mg/kg |
| N,N-Dimethyl-p-Toluidine | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| N,N-Dimethyl-p-Toluidine | Inhalation-Dust/Mist (4 hours) | Rat | LC50 1.4 mg/l |
| N,N-Dimethyl-p-Toluidine | Ingestion | Rat | LD50 1,650 mg/kg |
| Methyl Methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Methyl Methacrylate | Inhalation-Vapor (4 hours) | Rat | LC50 29 mg/l |
| Methyl Methacrylate | Ingestion | Rat | LD50 7,900 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|------------------------------------|------------------|---------------------------|
| Polyethylene Glycol Dimethacrylate | Rabbit | Mild irritant |
| Hydroxypropyl Methacrylate | Rabbit | Minimal irritation |
| Amorphous Silica | Rabbit | No significant irritation |
| Acrylic Acid | Rabbit | Corrosive |
| Cumene Hydroperoxide | Rabbit | Corrosive |
| Triethylene Glycol Dimethacrylate | Guinea pig | Mild irritant |
| Ethylene Glycol | Rabbit | Minimal irritation |
| 2,6-di-tert-Butyl-p-cresol | Human and animal | Minimal irritation |
| 2,2'-(p-Tolylimino)diethanol | Rabbit | No significant irritation |
| Methyl Methacrylate | Human | Mild irritant |

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| | | |
|--|---------------|--|
| | and animal | |
|--|---------------|--|

Serious Eye Damage/Irritation

| Name | Species | Value |
|------------------------------------|------------------------|---------------------------|
| Polyethylene Glycol Dimethacrylate | Rabbit | Moderate irritant |
| Hydroxypropyl Methacrylate | Rabbit | Moderate irritant |
| Amorphous Silica | Rabbit | No significant irritation |
| Acrylic Acid | Rabbit | Corrosive |
| Cumene Hydroperoxide | Rabbit | Corrosive |
| Triethylene Glycol Dimethacrylate | Professional judgement | Moderate irritant |
| Ethylene Glycol | Rabbit | Mild irritant |
| 2,6-di-tert-Butyl-p-cresol | Rabbit | Mild irritant |
| 2,2'-(p-Tolylimino)diethanol | Rabbit | Corrosive |
| Methyl Methacrylate | Rabbit | Moderate irritant |

Sensitization:**Skin Sensitization**

| Name | Species | Value |
|------------------------------------|------------------|----------------|
| Polyethylene Glycol Dimethacrylate | Guinea pig | Not classified |
| Hydroxypropyl Methacrylate | Human and animal | Sensitizing |
| Amorphous Silica | Human and animal | Not classified |
| Acrylic Acid | Guinea pig | Not classified |
| Triethylene Glycol Dimethacrylate | Human and animal | Sensitizing |
| Ethylene Glycol | Human | Not classified |
| 2,6-di-tert-Butyl-p-cresol | Human | Not classified |
| 2,2'-(p-Tolylimino)diethanol | Mouse | Sensitizing |
| Methyl Methacrylate | Human and animal | Sensitizing |

Respiratory Sensitization

| Name | Species | Value |
|---------------------|---------|----------------|
| Methyl Methacrylate | Human | Not classified |

Germ Cell Mutagenicity

| Name | Route | Value |
|----------------------------|----------|--|
| Hydroxypropyl Methacrylate | In vivo | Not mutagenic |
| Hydroxypropyl Methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Amorphous Silica | In Vitro | Not mutagenic |
| Acrylic Acid | In vivo | Not mutagenic |
| Acrylic Acid | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Cumene Hydroperoxide | In vivo | Not mutagenic |
| Cumene Hydroperoxide | In Vitro | Some positive data exist, but the data are not sufficient for classification |

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| | | |
|-----------------------------------|----------|--|
| Triethylene Glycol Dimethacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Ethylene Glycol | In Vitro | Not mutagenic |
| Ethylene Glycol | In vivo | Not mutagenic |
| 2,6-di-tert-Butyl-p-cresol | In Vitro | Not mutagenic |
| 2,6-di-tert-Butyl-p-cresol | In vivo | Not mutagenic |
| 2,2'-(p-Tolylimino)diethanol | In Vitro | Not mutagenic |
| Methyl Methacrylate | In vivo | Not mutagenic |
| Methyl Methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name | Route | Species | Value |
|-----------------------------------|---------------|-------------------------|--|
| Amorphous Silica | Not Specified | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Acrylic Acid | Ingestion | Rat | Not carcinogenic |
| Acrylic Acid | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Triethylene Glycol Dimethacrylate | Dermal | Mouse | Not carcinogenic |
| Ethylene Glycol | Ingestion | Multiple animal species | Not carcinogenic |
| 2,6-di-tert-Butyl-p-cresol | Ingestion | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| N,N-Dimethyl-p-Toluidine | Ingestion | Multiple animal species | Carcinogenic |
| Methyl Methacrylate | Ingestion | Rat | Not carcinogenic |
| Methyl Methacrylate | Inhalation | Human and animal | Not carcinogenic |

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

| Name | Route | Value | Species | Test Result | Exposure Duration |
|-----------------------------------|------------|--|---------|-----------------------|--------------------------|
| Hydroxypropyl Methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating into lactation |
| Hydroxypropyl Methacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 49 days |
| Hydroxypropyl Methacrylate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |
| Amorphous Silica | Ingestion | Not classified for female reproduction | Rat | NOAEL 509 mg/kg/day | 1 generation |
| Amorphous Silica | Ingestion | Not classified for male reproduction | Rat | NOAEL 497 mg/kg/day | 1 generation |
| Amorphous Silica | Ingestion | Not classified for development | Rat | NOAEL 1,350 mg/kg/day | during organogenesis |
| Acrylic Acid | Ingestion | Not classified for female reproduction | Rat | NOAEL 460 mg/kg/day | 2 generation |
| Acrylic Acid | Ingestion | Not classified for male reproduction | Rat | NOAEL 460 mg/kg/day | 2 generation |
| Acrylic Acid | Inhalation | Not classified for development | Rat | NOAEL 1.1 mg/l | during organogenesis |
| Acrylic Acid | Ingestion | Not classified for development | Rat | NOAEL 53 mg/kg/day | 2 generation |
| Triethylene Glycol Dimethacrylate | Ingestion | Not classified for female reproduction | Mouse | NOAEL 1 mg/kg/day | 1 generation |
| Triethylene Glycol Dimethacrylate | Ingestion | Not classified for male reproduction | Mouse | NOAEL 1 mg/kg/day | 1 generation |

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| | | | | | |
|-----------------------------------|------------|--|-------|-----------------------|----------------------|
| Triethylene Glycol Dimethacrylate | Ingestion | Not classified for development | Mouse | NOAEL 1 mg/kg/day | 1 generation |
| Ethylene Glycol | Dermal | Not classified for development | Mouse | NOAEL 3,549 mg/kg/day | during organogenesis |
| Ethylene Glycol | Ingestion | Not classified for development | Mouse | LOAEL 750 mg/kg/day | during organogenesis |
| Ethylene Glycol | Inhalation | Not classified for development | Mouse | NOAEL 1,000 mg/kg/day | during organogenesis |
| 2,6-di-tert-Butyl-p-cresol | Ingestion | Not classified for female reproduction | Rat | NOAEL 500 mg/kg/day | 2 generation |
| 2,6-di-tert-Butyl-p-cresol | Ingestion | Not classified for male reproduction | Rat | NOAEL 500 mg/kg/day | 2 generation |
| 2,6-di-tert-Butyl-p-cresol | Ingestion | Not classified for development | Rat | NOAEL 100 mg/kg/day | 2 generation |
| Methyl Methacrylate | Inhalation | Not classified for male reproduction | Mouse | NOAEL 36.9 mg/l | |
| Methyl Methacrylate | Inhalation | Not classified for development | Rat | NOAEL 8.3 mg/l | during organogenesis |

Target Organ(s)
Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|------------------------------------|------------|---|--|------------------------|---------------------|------------------------|
| Polyethylene Glycol Dimethacrylate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Hydroxypropyl Methacrylate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Acrylic Acid | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| Cumene Hydroperoxide | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | occupational exposure |
| Cumene Hydroperoxide | Inhalation | respiratory irritation | May cause respiratory irritation | Human | NOAEL Not available | occupational exposure |
| Cumene Hydroperoxide | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |
| Ethylene Glycol | Ingestion | heart nervous system kidney and/or bladder respiratory system | Causes damage to organs | Human | NOAEL Not available | poisoning and/or abuse |
| Ethylene Glycol | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | poisoning and/or abuse |
| Ethylene Glycol | Ingestion | liver | Not classified | Human | NOAEL Not available | poisoning and/or abuse |
| 2,2'-(p-Tolylimino)diethanol | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Methyl Methacrylate | Inhalation | respiratory irritation | May cause respiratory irritation | Human | NOAEL Not available | occupational exposure |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|----------------------------|------------|--|----------------|---------|-----------------------|-------------------|
| Hydroxypropyl Methacrylate | Inhalation | blood | Not classified | Rat | NOAEL 0.5 mg/l | 21 days |
| Hydroxypropyl Methacrylate | Ingestion | hematopoietic system heart endocrine system liver immune | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |

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|-----------------------------------|------------|---|--|-------------------------|------------------------|-----------------------|
| | | system nervous system kidney and/or bladder | | | | |
| Amorphous Silica | Inhalation | respiratory system silicosis | Not classified | Human | NOAEL Not available | occupational exposure |
| Cumene Hydroperoxide | Inhalation | nervous system respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.2 mg/l | 7 days |
| Cumene Hydroperoxide | Inhalation | heart liver kidney and/or bladder | Not classified | Rat | NOAEL 0.03 mg/l | 90 days |
| Triethylene Glycol Dimethacrylate | Dermal | kidney and/or bladder blood | Not classified | Mouse | NOAEL 833 mg/kg/day | 78 weeks |
| Ethylene Glycol | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 200 mg/kg/day | 2 years |
| Ethylene Glycol | Ingestion | vascular system | Not classified | Rat | NOAEL 200 mg/kg/day | 2 years |
| Ethylene Glycol | Ingestion | heart hematopoietic system liver immune system muscles | Not classified | Rat | NOAEL 1,000 mg/kg/day | 2 years |
| Ethylene Glycol | Ingestion | respiratory system | Not classified | Mouse | NOAEL 12,000 mg/kg/day | 2 years |
| Ethylene Glycol | Ingestion | skin endocrine system bone, teeth, nails, and/or hair nervous system eyes | Not classified | Multiple animal species | NOAEL 1,000 mg/kg/day | 2 years |
| 2,6-di-tert-Butyl-p-cresol | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 250 mg/kg/day | 28 days |
| 2,6-di-tert-Butyl-p-cresol | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 500 mg/kg/day | 2 generation |
| 2,6-di-tert-Butyl-p-cresol | Ingestion | blood | Not classified | Rat | LOAEL 420 mg/kg/day | 40 days |
| 2,6-di-tert-Butyl-p-cresol | Ingestion | endocrine system | Not classified | Rat | NOAEL 25 mg/kg/day | 2 generation |
| 2,6-di-tert-Butyl-p-cresol | Ingestion | heart | Not classified | Mouse | NOAEL 3,480 mg/kg/day | 10 weeks |
| Methyl Methacrylate | Dermal | peripheral nervous system | Not classified | Human | NOAEL Not available | occupational exposure |
| Methyl Methacrylate | Inhalation | olfactory system | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| Methyl Methacrylate | Inhalation | kidney and/or bladder | Not classified | Multiple animal species | NOAEL Not available | 14 weeks |
| Methyl Methacrylate | Inhalation | liver | Not classified | Mouse | NOAEL 12.3 mg/l | 14 weeks |
| Methyl Methacrylate | Inhalation | respiratory system | Not classified | Human | NOAEL Not available | occupational exposure |

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

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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 2: Toxic to aquatic life.

Chronic aquatic hazard:

GHS Chronic 2: Toxic to aquatic life with long lasting effects

No product test data available

| Material | Cas # | Organism | Type | Exposure | Test Endpoint | Test Result |
|------------------------------------|-------------|---------------|---|----------|--------------------------|-------------|
| Polyethylene Glycol Dimethacrylate | 25852-47-5 | | Data not available or insufficient for classification | | | |
| Hydroxypropyl Methacrylate | 27813-02-1 | Golden Orfe | Experimental | 48 hours | Effect Concentration 50% | 493 mg/l |
| Hydroxypropyl Methacrylate | 27813-02-1 | Green Algae | Experimental | 72 hours | Effect Concentration 50% | >97.2 mg/l |
| Hydroxypropyl Methacrylate | 27813-02-1 | Water flea | Experimental | 48 hours | Effect Concentration 50% | >143 mg/l |
| Hydroxypropyl Methacrylate | 27813-02-1 | Green Algae | Experimental | 72 hours | No obs Effect Conc | 97.2 mg/l |
| Hydroxypropyl Methacrylate | 27813-02-1 | Water flea | Experimental | 21 days | No obs Effect Conc | 45.2 mg/l |
| Amorphous Silica | 112945-52-5 | Green Algae | Experimental | 72 hours | Effect Concentration 50% | >100 mg/l |
| Amorphous Silica | 112945-52-5 | Water flea | Experimental | 24 hours | Effect Concentration 50% | >100 mg/l |
| Amorphous Silica | 112945-52-5 | Zebra Fish | Experimental | 96 hours | Lethal Concentration 50% | >100 mg/l |
| Amorphous Silica | 112945-52-5 | Green Algae | Experimental | 72 hours | No obs Effect Conc | 60 mg/l |
| Saccharin | 81-07-2 | Guppy | Estimated | 96 hours | Lethal Concentration 50% | >100 mg/l |
| Saccharin | 81-07-2 | Green algae | Experimental | 72 hours | Effect Concentration 50% | >200 mg/l |
| Saccharin | 81-07-2 | Water flea | Experimental | 48 hours | Effect Concentration 50% | >1,000 mg/l |
| Acrylic Acid | 79-10-7 | Green algae | Experimental | 72 hours | Effect Concentration 50% | 0.13 mg/l |
| Acrylic Acid | 79-10-7 | Rainbow Trout | Experimental | 96 hours | Lethal | 27 mg/l |

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| | | | | | Concentration 50% | |
| Acrylic Acid | 79-10-7 | Water flea | Experimental | 48 hours | Effect Concentration 50% | 95 mg/l |
| Acrylic Acid | 79-10-7 | Green algae | Experimental | 72 hours | Effect Concentration 10% | 0.03 mg/l |
| Acrylic Acid | 79-10-7 | Water flea | Experimental | 21 days | No obs Effect Conc | 3.8 mg/l |
| Cumene Hydroperoxide | 80-15-9 | Green algae | Experimental | 72 hours | Effect Concentration 50% | 3.1 mg/l |
| Cumene Hydroperoxide | 80-15-9 | Rainbow Trout | Experimental | 96 hours | Lethal Concentration 50% | 3.9 mg/l |
| Cumene Hydroperoxide | 80-15-9 | Water flea | Experimental | 48 hours | Effect Concentration 50% | 18.84 mg/l |
| Cumene Hydroperoxide | 80-15-9 | Green algae | Experimental | 72 hours | No obs Effect Conc | 1 mg/l |
| 2,2'-(p- Tolylimino)diet hanol | 3077-12-1 | Common Carp | Estimated | 96 hours | Lethal Concentration 50% | >100 mg/l |
| 2,2'-(p- Tolylimino)diet hanol | 3077-12-1 | Green Algae | Estimated | 72 hours | Effect Concentration 50% | >100 mg/l |
| 2,2'-(p- Tolylimino)diet hanol | 3077-12-1 | Water flea | Estimated | 48 hours | Effect Concentration 50% | 48 mg/l |
| 2,2'-(p- Tolylimino)diet hanol | 3077-12-1 | Green Algae | Estimated | 72 hours | No obs Effect Conc | 100 mg/l |
| Triethylene Glycol Dimethacrylate | 109-16-0 | Green Algae | Experimental | 72 hours | Effect Concentration 50% | >100 mg/l |
| Triethylene Glycol Dimethacrylate | 109-16-0 | Zebra Fish | Experimental | 96 hours | Lethal Concentration 50% | 16.4 mg/l |
| Triethylene Glycol Dimethacrylate | 109-16-0 | Green algae | Experimental | 72 hours | No obs Effect Conc | 18.6 mg/l |
| Triethylene Glycol Dimethacrylate | 109-16-0 | Water flea | Experimental | 21 days | No obs Effect Conc | 32 mg/l |
| Ethylene Glycol | 107-21-1 | Fathead Minnow | Experimental | 96 hours | Lethal Concentration 50% | 8,050 mg/l |
| Ethylene Glycol | 107-21-1 | Green algae | Experimental | 72 hours | Effect Concentration 50% | >1,000 mg/l |
| Ethylene Glycol | 107-21-1 | Water flea | Experimental | 48 hours | Effect Concentration 50% | >1,100 mg/l |

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|----------------------------|----------|----------------|--------------|----------|--------------------------------|--------------|
| Ethylene Glycol | 107-21-1 | Green Algae | Experimental | 72 hours | No obs Effect Conc | 1,000 mg/l |
| Ethylene Glycol | 107-21-1 | Water flea | Experimental | 21 days | No obs Effect Conc | 100 mg/l |
| 1-Acetyl-2-Phenylhydrazine | 114-83-0 | Water flea | Estimated | 24 hours | Effect Concentration 50% | 2 mg/l |
| 1-Acetyl-2-Phenylhydrazine | 114-83-0 | Zebra Fish | Estimated | 96 hours | Lethal Concentration 50% | 0.16 mg/l |
| 1-Acetyl-2-Phenylhydrazine | 114-83-0 | Zebra Fish | Estimated | 16 days | No obs Effect Conc | 0.00049 mg/l |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | Green algae | Experimental | 72 hours | Effect Concentration 50% | >0.4 mg/l |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | Water flea | Experimental | 48 hours | Effect Concentration 50% | 0.48 mg/l |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | Zebra Fish | Experimental | 96 hours | No tox obs at lmt of water sol | >100 mg/l |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | Green algae | Experimental | 72 hours | Effect Concentration 10% | 0.4 mg/l |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | Ricefish | Experimental | 42 days | No obs Effect Conc | 0.053 mg/l |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | Water flea | Experimental | 21 days | No obs Effect Conc | 0.023 mg/l |
| Methyl Methacrylate | 80-62-6 | Green Algae | Experimental | 72 hours | Effect Concentration 50% | >110 mg/l |
| Methyl Methacrylate | 80-62-6 | Rainbow Trout | Experimental | 96 hours | Lethal Concentration 50% | >79 mg/l |
| Methyl Methacrylate | 80-62-6 | Water flea | Experimental | 48 hours | Effect Concentration 50% | 69 mg/l |
| Methyl Methacrylate | 80-62-6 | Green algae | Experimental | 72 hours | No obs Effect Conc | 110 mg/l |
| Methyl Methacrylate | 80-62-6 | Water flea | Experimental | 21 days | No obs Effect Conc | 37 mg/l |
| N,N-Dimethyl-p-Toluidine | 99-97-8 | Green Algae | Estimated | 72 hours | Effect Concentration 50% | 22 mg/l |
| N,N-Dimethyl-p-Toluidine | 99-97-8 | Water flea | Estimated | 48 hours | Effect Concentration 50% | 13.7 mg/l |
| N,N-Dimethyl-p-Toluidine | 99-97-8 | Fathead Minnow | Experimental | 96 hours | Lethal Concentration 50% | 46 mg/l |

12.2. Persistence and degradability

| Material | CAS No. | Test Type | Duration | Study Type | Test Result | Protocol |
|----------|---------|-----------|----------|------------|-------------|----------|
|----------|---------|-----------|----------|------------|-------------|----------|

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|------------------------------------|-------------|-------------------------------|---------|--------------------------------|-------------------------------------|--------------------------------|
| Polyethylene Glycol Dimethacrylate | 25852-47-5 | Data not availbl-insufficient | | | N/A | |
| Hydroxypropyl Methacrylate | 27813-02-1 | Experimental Biodegradation | 28 days | Biological Oxygen Demand | 81 % BOD/ThBOD | OECD 301C - MITI (I) |
| Amorphous Silica | 112945-52-5 | Data not availbl-insufficient | | | N/A | |
| Saccharin | 81-07-2 | Estimated Biodegradation | 28 days | Biological Oxygen Demand | 32.09 % BOD/ThBOD | OECD 301F - Manometric Respiro |
| Acrylic Acid | 79-10-7 | Estimated Photolysis | | Photolytic half-life (in air) | 3.2 days (t 1/2) | Other methods |
| Acrylic Acid | 79-10-7 | Experimental Biodegradation | 28 days | Biological Oxygen Demand | 81 % BOD/ThBOD | OECD 301D - Closed Bottle Test |
| Cumene Hydroperoxide | 80-15-9 | Experimental Biodegradation | 28 days | Biological Oxygen Demand | 0 % BOD/ThBOD | OECD 301C - MITI (I) |
| 2,2'-(p-Tolylimino)diet hanol | 3077-12-1 | Estimated Biodegradation | 29 days | Carbon dioxide evolution | 1.5 %CO2 evolution/THC O2 evolution | OECD 301B - Mod. Sturm or CO2 |
| Triethylene Glycol Dimethacrylate | 109-16-0 | Experimental Biodegradation | 28 days | Carbon dioxide evolution | 85 % weight | OECD 301B - Mod. Sturm or CO2 |
| Ethylene Glycol | 107-21-1 | Experimental Biodegradation | 14 days | Biological Oxygen Demand | 90 % BOD/ThBOD | OECD 301C - MITI (I) |
| 1-Acetyl-2-Phenylhydrazin e | 114-83-0 | Estimated Biodegradation | 28 days | Dissolv. Organic Carbon Deplet | 97 % weight | OECD 301E - Modified OECD Scre |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | Data not availbl-insufficient | | | N/A | |
| Methyl Methacrylate | 80-62-6 | Experimental Biodegradation | 14 days | Biological Oxygen Demand | 94 % BOD/ThBOD | OECD 301C - MITI (I) |
| N,N-Dimethyl-p-Toluidine | 99-97-8 | Estimated Biodegradation | 14 days | Biological Oxygen Demand | 0 % BOD/ThBOD | OECD 301C - MITI (I) |

12.3. Bioaccumulative potential

| Material | CAS No. | Test Type | Duration | Study Type | Test Result | Protocol |
|------------------------------------|-------------|---|----------|--------------------------------|-------------|---------------|
| Polyethylene Glycol Dimethacrylate | 25852-47-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Hydroxypropyl Methacrylate | 27813-02-1 | Experimental Bioconcentrati on | | Log of Octanol/H2O part. coeff | 0.97 | Other methods |
| Amorphous Silica | 112945-52-5 | Data not available or insufficient for | N/A | N/A | N/A | N/A |

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| | | classification | | | | |
|-----------------------------------|-----------|-------------------------------|---------|---|-------|--------------------------------|
| Saccharin | 81-07-2 | Experimental Bioconcentration | | Log of Octanol/H ₂ O part. coeff | 0.3 | Other methods |
| Acrylic Acid | 79-10-7 | Experimental Bioconcentration | | Log of Octanol/H ₂ O part. coeff | 0.46 | Other methods |
| Cumene Hydroperoxide | 80-15-9 | Experimental Bioconcentration | | Log of Octanol/H ₂ O part. coeff | 1.82 | Other methods |
| 2,2'-(p-Tolylimino)diethanol | 3077-12-1 | Experimental Bioconcentration | | Log of Octanol/H ₂ O part. coeff | 2.0 | Other methods |
| Triethylene Glycol Dimethacrylate | 109-16-0 | Experimental Bioconcentration | | Log of Octanol/H ₂ O part. coeff | 2.3 | Other methods |
| Ethylene Glycol | 107-21-1 | Experimental Bioconcentration | | Log of Octanol/H ₂ O part. coeff | -1.36 | Other methods |
| 1-Acetyl-2-Phenylhydrazine | 114-83-0 | Estimated BCF - Other | | Bioaccumulation Factor | 5 | Est: Bioconcentration factor |
| 2,6-di-tert-Butyl-p-cresol | 128-37-0 | Experimental BCF-Carp | 56 days | Bioaccumulation Factor | 1277 | OECD 305E-Bioaccum Fl-thru fis |
| Methyl Methacrylate | 80-62-6 | Experimental Bioconcentration | | Log of Octanol/H ₂ O part. coeff | 1.38 | Other methods |
| N,N-Dimethyl-p-Toluidine | 99-97-8 | Experimental Bioconcentration | | Log of Octanol/H ₂ O part. coeff | 1.73 | Other methods |

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

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.

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Packing Group:None assigned.

Limited Quantity:None assigned.

Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

Not restricted, as per IMDG code 2.10.2.7, marine pollutant exception.

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:

Not restricted, as per Special Provision A197, environmentally hazardous substance exception.

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. 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 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. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. 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.

SECTION 16: Other information

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.

3M Malaysia SDSs are available at www.3M.com.my