

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 I | : Identification | | | |
|--|---|----------------|--------------------------|------------------------------------|
| 1.1. Product identi 3M [™] Super 77 Cla | fier ssic Spray Adhesive | | | |
| Product Identificatio 62-4437-4920-5 | on Numbers 62-4437-4921-3 | 62-4437-4935-3 | 62-4437-4950-2 | 62-4437-4955-1 |
| 1.2. Recommended | l use and restrictions | on use | | |
| Recommended use Aerosol Adhesive, | | | | |
| 1.3. Supplier's det | ails | | | |
| ADDRESS: | 3M Malaysia Sdn. Petaling, Jaya, Sel | | , Oasis Square, No.2, Ja | llan PJU 1A/7A, Ara Damansara 4730 |
| | | | | |
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SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Flammable Aerosol: Category 1. Gas Under Pressure: Liquefied gas. Serious Eye Damage/Irritation: Category 2. Specific Target Organ Toxicity (single exposure): Category 1. Chronic Aquatic Toxicity: Category 3.

2.2. Label elements Signal word Danger

Symbols Flame |Gas cylinder |Exclamation mark |Health Hazard |

Pictograms



| Hazard Statements: H222 H280 | Extremely flammable aerosol. Contains gas under pressure; may explode if heated. |
|------------------------------------|--|
| H319 | Causes serious eye irritation. |
| H370 | Causes damage to organs: cardiovascular system. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Precautionary statements | |
| Prevention: | |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P260 | Do not breathe dust/fume/gas/mist/vapors/spray. |
| 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. |
| P307+ P311 | IF exposed: Call a POISON CENTER or doctor/physician. |
| Storage: | |
| P403 | Store in a well-ventilated place. |
| P410 + P412 | Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. |
| Disposal: P501 | Dispose of contents/container in accordance with applicable local/regional/national/international regulations. |

2.3. Other hazards

Aspiration classification does not apply as this product is sold in sealed, self-pressurized containers with nozzles designed to prevent formation of a stream during usage., Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal., May cause drowsiness or dizziness., May displace oxygen and cause rapid suffocation.

SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient | C.A.S. No. | % by Wt | |
|-------------------------|--------------|---------|--|
| 2-Methylpentane | 107-83-5 | 15 - 40 | |
| Non volatile components | Trade Secret | 10 - 30 | |
| Cyclohexane | 110-82-7 | 10 - 24 | |
| Dimethyl Ether | 115-10-6 | 10 - 15 | |
| Isobutane | 75-28-5 | 10 - 15 | |

| Propane | 74-98-6 | 10 - 15 | |
|--------------------|--------------|---------|--|
| Terpene Phenolic | Trade Secret | < 10 | |
| Ethyl Alcohol | 64-17-5 | < 5 | |
| Pentane | 109-66-0 | < 5 | |
| Petroleum Resins | 64742-16-1 | < 5 | |
| Non-Volatile Resin | Trade Secret | < 5 | |
| Hexane | 110-54-3 | < 0.5 | |
| Toluene | 108-88-3 | < 0.3 | |

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Remove person to fresh air. Get medical attention.

Skin Contact:

Wash with soap and water. 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

Central nervous system depression (headache, dizziness, drowsiness, incoordination, nausea, slurred speech, giddiness, and unconsciousness). Target organ effects. See Section 11 for additional details.

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

Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u> |
|-------------------------------|-------------------|
| Aldehydes | During Combustion |
| Hydrocarbons | During Combustion |
| Formaldehyde | During Combustion |
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |
| Irritant Vapors or Gases | During Combustion |
| Toxic Vapor, Gas, Particulate | 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

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. 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

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

If possible, seal leaking container. Place leaking containers in a well-ventilated area, preferably an operating exhaust hood, or if necessary outdoors on an impermeable surface until appropriate packaging for the leaking container or its contents is available. Cover spill area with a fire-extinguishing foam. Collect as much of the spilled material as possible using non-sparking tools. 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

For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. 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. 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

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store away from heat. Store away from acids. 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 |
|-----------------------|------------|---------------|---------------------------|-------------------------|
| 2-Methylpentane | 107-83-5 | ACGIH | TWA:500 ppm;STEL:1000 | |
| | | | ppm | |
| HEXANE (ISOMERS OTHER | 107-83-5 | Malaysia OELs | TWA(8 hours):1760 | |
| THAN N-HEXANE) | | | mg/m3(500 ppm) | |
| Toluene | 108-88-3 | ACGIH | TWA:20 ppm | A4: Not class. as human |
| | | | | carcin, Ototoxicant |
| Toluene | 108-88-3 | Malaysia OELs | TWA(8 hours):188 mg/m3(50 | SKIN |
| | | | ppm) | |
| Pentane | 109-66-0 | ACGIH | TWA:1000 ppm | |
| Pentane, all isomers | 109-66-0 | Malaysia OELs | TWA(8 hours):1770 | |
| | | | mg/m3(600 ppm) | |
| Hexane | 110-54-3 | ACGIH | TWA:50 ppm | Danger of cutaneous |
| | | | | absorption |
| Hexane | 110-54-3 | Malaysia OELs | TWA(8 hours):176 mg/m3(50 | SKIN |
| | | | ppm) | |

| Cyclohexane | 110-82-7 | ACGIH | TWA:100 ppm | |
|---------------|----------|---------------|--------------------------------------|------------------------------|
| Cyclohexane | 110-82-7 | Malaysia OELs | TWA(8 hours):1030 mg/m3(300 ppm) | |
| Ethyl Alcohol | 64-17-5 | ACGIH | STEL:1000 ppm | A3: Confirmed animal carcin. |
| Ethyl Alcohol | 64-17-5 | Malaysia OELs | TWA(8 hours):1880 mg/m3(1000 ppm) | |
| Propane | 74-98-6 | ACGIH | Limit value not established: | simple asphyxiant |
| Propane | 74-98-6 | Malaysia OELs | TWA(8 hours):2500 ppm | |
| Isobutane | 75-28-5 | ACGIH | STEL:1000 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

Do not remain in area where available oxygen may be reduced. 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: Nitrile Rubber 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 Half facepiece or full facepiece supplied-air respirator

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 | Gas |
|----------------|-------------|
| Color | Light Cream |

| Odor | Sweet Odor, Fruity Odor |
|---|---|
| Odor threshold | No Data Available |
| pH | Not Applicable |
| Melting point/Freezing point | No Data Available |
| Boiling point/Initial boiling point/Boiling range | [Details:Compressed gas]Not Applicable |
| Flash Point | -41.1 °C [<i>Test Method:</i> Tagliabue Closed Cup] |
| Evaporation rate | 1.9 [<i>Ref Std</i> :ETHER=1] |
| Flammability (solid, gas) | Flammable Aerosol: Category 1. |
| Flammable Limits(LEL) | Approximately 1.5 % volume |
| Flammable Limits(UEL) | Approximately 8.6 % volume |
| Vapor Pressure | [Details:Compressed gas]Not Applicable |
| Vapor Density and/or Relative Vapor Density | 2.97 [<i>Ref Std</i> :AIR=1] |
| Density | 0.697 g/ml |
| Relative Density | 0.697 [<i>Ref Std</i> :WATER=1] |
| Water solubility | Nil |
| Solubility- non-water | No Data Available |
| Partition coefficient: n-octanol/ water | No Data Available |
| Autoignition temperature | No Data Available |
| Decomposition temperature | Not Applicable |
| Viscosity/Kinematic Viscosity | Not Applicable |
| Volatile Organic Compounds | <=79 % [<i>Test Method</i> :calculated per CARB title 2] |
| Percent volatile | No Data Available |
| VOC Less H2O & Exempt Solvents | No Data Available |
| Molecular weight | No Data Available |
| Heat of Combustion | <=43.5 kJ/g |
| Solids Content | 15 - 40 % |

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

10.6. Hazardous decomposition products

Substance

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

Condition

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:

Simple Asphyxiation: Signs/symptoms may include increased heart rate, rapid respirations, drowsiness, headache, incoordination, altered judgement, nausea, vomiting, lethargy, seizures, coma, and may be fatal.

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:

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

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:

Single exposure may cause target organ effects:

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Single exposure, above recommended guidelines, may cause: Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

Additional Information:

This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified by the International Agency for Research on Cancer as carcinogenic to humans. There are also data associating human consumption of alcoholic beverages with developmental toxicity and liver toxicity. Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer, developmental toxicity, or liver toxicity.

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 | | |
|----------------|-----|--|
| NY. | ~ · | |

| 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 | | |
| 2-Methylpentane | Dermal | | LD50 estimated to be $> 5,000 \text{ mg/kg}$ | | |
| 2-Methylpentane | Inhalation- Vapor | | LC50 estimated to be $> 50 \text{ mg/l}$ | | |
| 2-Methylpentane | Ingestion | | LD50 estimated to be $> 5,000 \text{ mg/kg}$ | | |
| Isobutane | Inhalation- Gas (4 hours) | Rat | LC50 276,000 ppm | | |
| Propane | Inhalation- Gas (4 hours) | Rat | LC50 > 200,000 ppm | | |
| Cyclohexane | Dermal | Rat | LD50 > 2,000 mg/kg | | |
| Cyclohexane | Inhalation- Vapor (4 hours) | Rat | LC50 > 32.9 mg/l | | |
| Cyclohexane | Ingestion | Rat | LD50 6,200 mg/kg | | |
| Dimethyl Ether | Inhalation- Gas (4 hours) | Rat | LC50 164,000 ppm | | |
| Non volatile components | Dermal | | LD50 estimated to be > 5,000 mg/kg | | |
| Non volatile components | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg | | |
| Petroleum Resins | Dermal | Rabbit | LD50 > 2,000 mg/kg | | |
| Petroleum Resins | Ingestion | Rat | LD50 > 5,000 mg/kg | | |
| Pentane | Dermal | Rabbit | LD50 3,000 mg/kg | | |
| Pentane | Inhalation- Vapor (4 hours) | Rat | LC50 > 18 mg/l | | |
| Pentane | Ingestion | Rat | LD50 > 2,000 mg/kg | | |
| Ethyl Alcohol | Dermal | Rabbit | LD50 > 15,800 mg/kg | | |
| Ethyl Alcohol | Inhalation- Vapor (4 hours) | Rat | LC50 124.7 mg/l | | |
| Ethyl Alcohol | Ingestion | Rat | LD50 17,800 mg/kg | | |
| Non-Volatile Resin | Ingestion | Mouse | LD50 > 2,000 mg/kg | | |
| Hexane | Dermal | Rabbit | LD50 > 2,000 mg/kg | | |
| Hexane | Inhalation- Vapor (4 hours) | Rat | LC50 170 mg/l | | |
| Hexane | Ingestion | Rat | LD50 > 28,700 mg/kg | | |
| Toluene | Dermal | Rat | LD50 12,000 mg/kg | | |
| Toluene | Inhalation- Vapor (4 hours) | Rat | LC50 30 mg/l | | |
| Toluene | Ingestion | Rat | LD50 5,550 mg/kg | | |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|-------------------------|-----------------------------------|---------------------------|
| | | |
| 2-Methylpentane | Professio nal judgemen t | Mild irritant |
| Isobutane | Professio nal judgemen t | No significant irritation |
| Propane | Rabbit | Minimal irritation |
| Cyclohexane | Rabbit | Mild irritant |
| Non volatile components | Professio nal | Minimal irritation |

3MTM Super 77 Classic Spray Adhesive

| | judgemen t | |
|------------------|---------------|---------------------------|
| Petroleum Resins | Human | Minimal irritation |
| Pentane | Rabbit | Minimal irritation |
| Ethyl Alcohol | Rabbit | No significant irritation |
| Hexane | Human | Mild irritant |
| | and | |
| | animal | |
| Toluene | Rabbit | Irritant |

Serious Eye Damage/Irritation

| Name | Species | Value |
|------------------|-----------|---------------------------|
| | | |
| 2-Methylpentane | Professio | Moderate irritant |
| | nal | |
| | judgemen | |
| | t | |
| Isobutane | Professio | No significant irritation |
| | nal | |
| | judgemen | |
| | t | |
| Propane | Rabbit | Mild irritant |
| Cyclohexane | Rabbit | Mild irritant |
| Petroleum Resins | Human | Mild irritant |
| Pentane | Rabbit | Mild irritant |
| Ethyl Alcohol | Rabbit | Severe irritant |
| Hexane | Rabbit | Mild irritant |
| Toluene | Rabbit | Moderate irritant |

Sensitization:

Skin Sensitization

| Name | Species | Value |
|---------------|---------|----------------|
| | | |
| Pentane | Guinea | Not classified |
| | pig | |
| Ethyl Alcohol | Human | Not classified |
| Hexane | Human | Not classified |
| Toluene | Guinea | Not classified |
| | pig | |

Photosensitization

| Name | Species | Value |
|------------------|---------|-----------------|
| Petroleum Resins | Human | Not sensitizing |

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 | | Value |
|------------------|----------|--|
| | | |
| Isobutane | In Vitro | Not mutagenic |
| Propane | In Vitro | Not mutagenic |
| Cyclohexane | In Vitro | Not mutagenic |
| Cyclohexane | In vivo | Some positive data exist, but the data are not sufficient for classification |
| Dimethyl Ether | In Vitro | Not mutagenic |
| Dimethyl Ether | In vivo | Not mutagenic |
| Petroleum Resins | In vivo | Not mutagenic |
| Petroleum Resins | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Pentane | In vivo | Not mutagenic |

| 3M [™] Super | 77 Classic | Spray | Adhesive |
|-----------------------|------------|-------|----------|
|-----------------------|------------|-------|----------|

| Pentane | In Vitro | Some positive data exist, but the data are not sufficient for classification |
|---------------|----------|--|
| Ethyl Alcohol | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Ethyl Alcohol | In vivo | Some positive data exist, but the data are not sufficient for classification |
| Hexane | In Vitro | Not mutagenic |
| Hexane | In vivo | Not mutagenic |
| Toluene | In Vitro | Not mutagenic |
| Toluene | In vivo | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|------------------|------------------|-------------------------------|--|
| Dimethyl Ether | Inhalation | Rat | Not carcinogenic |
| Petroleum Resins | Not Specified | Human and animal | Some positive data exist, but the data are not sufficient for classification |
| Ethyl Alcohol | Ingestion | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| Hexane | Dermal | Mouse | Not carcinogenic |
| Hexane | Inhalation | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Toluene | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Toluene | Ingestion | Rat | Some positive data exist, but the data are not sufficient for classification |
| Toluene | Inhalation | Mouse | Some positive data exist, but the data are not sufficient for classification |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name Route Value | | Species | Test Result | Exposure Duration | |
|------------------|------------|--|-------------|-----------------------------|------------------------------------|
| Cyclohexane | Inhalation | Not classified for female reproduction | Rat | NOAEL 24 mg/l | 2 generation |
| Cyclohexane | Inhalation | Not classified for male reproduction | Rat | NOAEL 24 mg/l | 2 generation |
| Cyclohexane | Inhalation | Not classified for development | Rat | NOAEL 6.9 mg/l | 2 generation |
| Dimethyl Ether | Inhalation | Not classified for development | Rat | NOAEL 40,000 ppm | during organogenesis |
| Pentane | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during organogenesis |
| Pentane | Inhalation | Not classified for development | Rat | NOAEL 30 mg/l | during organogenesis |
| Ethyl Alcohol | Inhalation | Not classified for development | Rat | NOAEL 38 mg/l | during gestation |
| Ethyl Alcohol | Ingestion | Not classified for development | Rat | NOAEL 5,200 mg/kg/day | premating & during gestation |
| Hexane | Ingestion | Not classified for development | Mouse | NOAEL 2,200 mg/kg/day | during organogenesis |
| Hexane | Inhalation | Not classified for development | Rat | NOAEL 0.7 mg/l | during gestation |
| Hexane | Ingestion | Toxic to male reproduction | Rat | NOAEL 1,140 mg/kg/day | 90 days |
| Hexane | Inhalation | Toxic to male reproduction | Rat | LOAEL 3.52 mg/l | 28 days |
| Toluene | Inhalation | Not classified for female reproduction | Human | NOAEL Not available | occupational exposure |
| Toluene | Inhalation | Not classified for male reproduction | Rat | NOAEL 2.3 | 1 generation |

| | | | | mg/l | |
|---------|------------|----------------------|-------|-----------|--------------|
| Toluene | Ingestion | Toxic to development | Rat | LOAEL 520 | during |
| | | | | mg/kg/day | gestation |
| Toluene | Inhalation | Toxic to development | Human | NOAEL Not | poisoning |
| | | | | available | and/or abuse |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|-----------------|------------|--------------------------------------|--|-----------------------------------|------------------------|----------------------|
| 2-Methylpentane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Professio nal judgeme nt | NOAEL Not available | |
| 2-Methylpentane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| 2-Methylpentane | Inhalation | cardiac sensitization | Not classified | Dog | NOAEL Not available | |
| 2-Methylpentane | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professio nal judgeme nt | NOAEL Not available | |
| Isobutane | Inhalation | cardiac sensitization | Causes damage to organs | Multiple animal species | NOAEL Not available | |
| Isobutane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Isobutane | Inhalation | respiratory irritation | Not classified | Mouse | NOAEL Not available | |
| Propane | Inhalation | cardiac sensitization | Causes damage to organs | Human | NOAEL Not available | |
| Propane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| Propane | Inhalation | respiratory irritation | Not classified | Human | NOAEL Not available | |
| Cyclohexane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Cyclohexane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human and animal | NOAEL Not available | |
| Cyclohexane | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professio nal judgeme nt | NOAEL Not available | |
| Dimethyl Ether | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Rat | LOAEL 10,000 ppm | 30 minutes |
| Dimethyl Ether | Inhalation | cardiac sensitization | Some positive data exist, but the data are not sufficient for classification | Dog | NOAEL 100,000 ppm | 5 minutes |
| Pentane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Multiple animal species | NOAEL Not available | not available |
| Pentane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Not available | NOAEL Not available | not available |
| Pentane | Inhalation | cardiac sensitization | Not classified | Dog | NOAEL Not available | not available |
| Pentane | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professio nal judgeme nt | NOAEL Not available | not available |
| Ethyl Alcohol | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for | Human | LOAEL 9.4 mg/l | not available |

| | | | classification | | | |
|---------------|------------|--------------------------------------|--|-------------------------------|------------------------|---------------------------|
| Ethyl Alcohol | Inhalation | central nervous system depression | Not classified | Human and animal | NOAEL not available | |
| Ethyl Alcohol | Ingestion | central nervous system depression | Not classified | Multiple animal species | NOAEL not available | |
| Ethyl Alcohol | Ingestion | kidney and/or bladder | Not classified | Dog | NOAEL 3,000 mg/kg | |
| Hexane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | not available |
| Hexane | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Rabbit | NOAEL Not available | 8 hours |
| Hexane | Inhalation | respiratory system | Not classified | Rat | NOAEL 24.6 mg/l | 8 hours |
| Toluene | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| Toluene | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| Toluene | Inhalation | immune system | Not classified | Mouse | NOAEL 0.004 mg/l | 3 hours |
| Toluene | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | poisoning and/or abuse |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|------------------|------------|--|----------------|---------|------------------------|--------------------------|
| 2-Methylpentane | Inhalation | peripheral nervous system | Not classified | Rat | NOAEL 5.3 mg/l | 14 weeks |
| 2-Methylpentane | Ingestion | peripheral nervous system | Not classified | Rat | NOAEL Not available | 8 weeks |
| 2-Methylpentane | Ingestion | kidney and/or bladder | Not classified | Rat | LOAEL 2,000 mg/kg | 28 days |
| Isobutane | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 4,500 ppm | 13 weeks |
| Cyclohexane | Inhalation | liver | Not classified | Rat | NOAEL 24 mg/l | 90 days |
| Cyclohexane | Inhalation | auditory system | Not classified | Rat | NOAEL 1.7 mg/l | 90 days |
| Cyclohexane | Inhalation | kidney and/or bladder | Not classified | Rabbit | NOAEL 2.7 mg/l | 10 weeks |
| Cyclohexane | Inhalation | hematopoietic system | Not classified | Mouse | NOAEL 24 mg/l | 14 weeks |
| Cyclohexane | Inhalation | peripheral nervous system | Not classified | Rat | NOAEL 8.6 mg/l | 30 weeks |
| Dimethyl Ether | Inhalation | hematopoietic system | Not classified | Rat | NOAEL 25,000 ppm | 2 years |
| Dimethyl Ether | Inhalation | liver | Not classified | Rat | NOAEL 20,000 ppm | 30 weeks |
| Petroleum Resins | Inhalation | respiratory system | Not classified | Human | NOAEL Not available | occupational exposure |
| Pentane | Inhalation | peripheral nervous system | Not classified | Human | NOAEL Not available | occupational exposure |
| Pentane | Inhalation | heart skin endocrine system gastrointestinal tract bone, teeth, nails, and/or hair hematopoietic system liver immune system muscles nervous system eyes kidney and/or bladder respiratory | Not classified | Rat | NOAEL 20 mg/l | 13 weeks |

| _ | | system | | _ | | |
|---------------|------------|--|--|-------------------------------|-----------------------------|---------------------------|
| Pentane | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 2,000 mg/kg/day | 28 days |
| Ethyl Alcohol | Inhalation | liver | Some positive data exist, but the data are not sufficient for classification | Rabbit | LOAEL 124 mg/l | 365 days |
| Ethyl Alcohol | Inhalation | hematopoietic system immune system | Not classified | Rat | NOAEL 25 mg/l | 14 days |
| Ethyl Alcohol | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 8,000 mg/kg/day | 4 months |
| Ethyl Alcohol | Ingestion | kidney and/or bladder | Not classified | Dog | NOAEL 3,000 mg/kg/day | 7 days |
| Hexane | Inhalation | peripheral nervous system | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| Hexane | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Mouse | LOAEL 1.76 mg/l | 13 weeks |
| Hexane | Inhalation | liver | Not classified | Rat | NOAEL Not available | 6 months |
| Hexane | Inhalation | kidney and/or bladder | Not classified | Rat | LOAEL 1.76 mg/l | 6 months |
| Hexane | Inhalation | hematopoietic system | Not classified | Mouse | NOAEL 35.2 mg/l | 13 weeks |
| Hexane | Inhalation | auditory system immune system eyes | Not classified | Human | NOAEL Not available | occupational exposure |
| Hexane | Inhalation | heart skin endocrine system | Not classified | Rat | NOAEL 1.76 mg/l | 6 months |
| Hexane | Ingestion | peripheral nervous system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,140 mg/kg/day | 90 days |
| Hexane | Ingestion | endocrine system hematopoietic system liver immune system kidney and/or bladder | Not classified | Rat | NOAEL Not available | 13 weeks |
| Toluene | Inhalation | auditory system eyes olfactory system | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | poisoning and/or abuse |
| Toluene | Inhalation | nervous system | May cause damage to organs though prolonged or repeated exposure | Human | NOAEL Not available | poisoning and/or abuse |
| Toluene | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 2.3 mg/l | 15 months |
| Toluene | Inhalation | heart liver kidney and/or bladder | Not classified | Rat | NOAEL 11.3 mg/l | 15 weeks |
| Toluene | Inhalation | endocrine system | Not classified | Rat | NOAEL 1.1 mg/l | 4 weeks |
| Toluene | Inhalation | immune system | Not classified | Mouse | NOAEL Not available | 20 days |
| Toluene | Inhalation | bone, teeth, nails, and/or hair | Not classified | Mouse | NOAEL 1.1 mg/l | 8 weeks |
| Toluene | Inhalation | hematopoietic system vascular system | Not classified | Human | NOAEL Not available | occupational exposure |
| Toluene | Inhalation | gastrointestinal tract | Not classified | Multiple animal species | NOAEL 11.3 mg/l | 15 weeks |
| Toluene | Ingestion | nervous system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 625 mg/kg/day | 13 weeks |
| Toluene | Ingestion | heart | Not classified | Rat | NOAEL | 13 weeks |

| | | | | | 2,500 mg/kg/day | |
|---------|-----------|----------------------------------|----------------|-------------------------------|-----------------------------|----------|
| Toluene | Ingestion | liver kidney and/or bladder | Not classified | Multiple animal species | NOAEL 2,500 mg/kg/day | 13 weeks |
| Toluene | Ingestion | hematopoietic system | Not classified | Mouse | NOAEL 600 mg/kg/day | 14 days |
| Toluene | Ingestion | endocrine system | Not classified | Mouse | NOAEL 105 mg/kg/day | 28 days |
| Toluene | Ingestion | immune system | Not classified | Mouse | NOAEL 105 mg/kg/day | 4 weeks |

Aspiration Hazard

| Name | Value |
|-----------------|-------------------|
| 2-Methylpentane | Aspiration hazard |
| Cyclohexane | Aspiration hazard |
| Pentane | Aspiration hazard |
| Hexane | Aspiration hazard |
| Toluene | 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 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 2: Toxic to aquatic life.

Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

No product test data available

| Material | Cas # | Organism | Туре | Exposure | Test Endpoint | Test Result |
|----------------------------|--------------|-------------------|--|----------|---------------|-------------|
| 2- Methylpentane | 107-83-5 | | Data not available or insufficient for classification | | | N/A |
| Non volatile components | Trade Secret | | Data not available or insufficient for classification | | | N/A |
| Cyclohexane | 110-82-7 | Bacteria | Experimental | 24 hours | IC50 | 97 mg/l |
| Cyclohexane | 110-82-7 | Fathead Minnow | Experimental | 96 hours | LC50 | 4.53 mg/l |
| Cyclohexane | 110-82-7 | Water flea | Experimental | 48 hours | EC50 | 0.9 mg/l |
| Dimethyl Ether | 115-10-6 | Bacteria | Experimental | | EC10 | >1,600 mg/l |
| Dimethyl Ether | 115-10-6 | Guppy | Experimental | 96 hours | LC50 | >4,100 mg/l |
| Dimethyl Ether | 115-10-6 | Water flea | Experimental | 48 hours | EC50 | >4,400 mg/l |

| Isobutane | 75-28-5 | | Data not | | | N/A |
|--------------------------------|--------------|---------------------------|------------------|-------------|------------------|-------------------|
| | | | available or | | | |
| | | | insufficient for | | | |
| | | | classification | | | |
| Propane | 74-98-6 | | Data not | | | N/A |
| | | | available or | | | |
| | | | insufficient for | | | |
| | | | classification | | | |
| Terpene | Trade Secret | | Data not | | | N/A |
| Phenolic | | | available or | | | |
| | | | insufficient for | | | |
| | 64 17 5 | Fathead | classification | 06 haven | LC50 | 14 200 |
| Ethyl Alcohol | 64-17-5 | Minnow | Experimental | 96 hours | LC30 | 14,200 mg/l |
| Ethyl Alcohol | 64-17-5 | Fish | Experimental | 96 hours | LC50 | 11,000 mg/l |
| | 64-17-5 | | Experimental | 72 hours | EC50 | 275 mg/l |
| Ethyl Alcohol Ethyl Alcohol | 64-17-5 | Green algae Water flea | Experimental | 48 hours | LC50 | 5,012 mg/l |
| Ethyl Alcohol | 64-17-5 | Green algae | Experimental | 72 hours | ErC10 | 11.5 mg/l |
| Ethyl Alcohol | 64-17-5 | Water flea | Experimental | 10 days | NOEC | 9.6 mg/l |
| Non-Volatile | Trade Secret | water mea | Data not | 10 uays | | N/A |
| Resin | | | available or | | | |
| ICC5111 | | | insufficient for | | | |
| | | | classification | | | |
| Pentane | 109-66-0 | Green algae | Experimental | 72 hours | EC50 | 10.7 mg/l |
| Pentane | 109-66-0 | Rainbow Trout | Experimental | 96 hours | LC50 | 4.26 mg/l |
| Pentane | 109-66-0 | Water flea | Experimental | 48 hours | EC50 | 2.7 mg/l |
| Pentane | 109-66-0 | Green algae | Experimental | 72 hours | NOEC | 2.04 mg/l |
| Petroleum | 64742-16-1 | Green algae | Endpoint not | 72 hours | EL50 | >100 mg/l |
| Resins | | Si con uigue | reached | / _ 110 010 | | |
| Petroleum | 64742-16-1 | Water flea | Experimental | 48 hours | No tox obs at | >100 mg/l |
| Resins | | | 1 | | lmt of water sol | |
| Hexane | 110-54-3 | Fathead Minnow | Experimental | 96 hours | LC50 | 2.5 mg/l |
| Hexane | 110-54-3 | Water flea | Experimental | 48 hours | LC50 | 3.9 mg/l |
| Toluene | 108-88-3 | Coho Salmon | Experimental | 96 hours | LC50 | 5.5 mg/l |
| Toluene | 108-88-3 | Grass Shrimp | Experimental | 96 hours | LC50 | 9.5 mg/l |
| Toluene | 108-88-3 | Green algae | Experimental | 72 hours | EC50 | 12.5 mg/l |
| Toluene | 108-88-3 | Leopard frog | Experimental | 9 days | LC50 | 0.39 mg/l |
| Toluene | 108-88-3 | Pink Salmon | Experimental | 96 hours | LC50 | 6.41 mg/l |
| Toluene | 108-88-3 | Water flea | Experimental | 48 hours | EC50 | 3.78 mg/l |
| Toluene | 108-88-3 | Coho Salmon | Experimental | 40 days | NOEC | 1.39 mg/l |
| Toluene | 108-88-3 | Diatom | Experimental | 72 hours | NOEC | 10 mg/l |
| Toluene | 108-88-3 | Water flea | Experimental | 7 days | NOEC | 0.74 mg/l |
| Toluene | 108-88-3 | Activated | Experimental | 12 hours | IC50 | 292 mg/l |
| | | sludge | | | | _ |
| Toluene | 108-88-3 | Bacteria | Experimental | 16 hours | NOEC | 29 mg/l |
| Toluene | 108-88-3 | Bacteria | Experimental | 24 hours | EC50 | 84 mg/l |
| Toluene | 108-88-3 | Redworm | Experimental | 28 days | LC50 | >150 mg per kg of |
| | | | - | _ | | bodyweight |
| Toluene | 108-88-3 | Soil microbes | Experimental | 28 days | NOEC | <26 mg/kg (Dry |
| | | | | | | Weight) |

12.2. Persistence and degradability

| Material | CAS No. | Test Type | Duration | Study Type | Test Result | Protocol |
|-------------------------|--------------|--------------------------------------|----------|-----------------------------------|--|-----------------------------------|
| 2- Methylpentane | 107-83-5 | Data not availbl- insufficient | N/A | N/A | N/A | N/A |
| Non volatile components | Trade Secret | Data not availbl- insufficient | N/A | N/A | N/A | N/A |
| Cyclohexane | 110-82-7 | Experimental Photolysis | | Photolytic half- life (in air) | 4.14 days (t 1/2) | Non-standard method |
| Cyclohexane | 110-82-7 | Experimental Biodegradation | 28 days | Biological Oxygen Demand | 77 %BOD/ThB OD | OECD 301F - Manometric Respiro |
| Dimethyl Ether | 115-10-6 | Experimental Photolysis | | Photolytic half- life (in air) | 1/2) | Non-standard method |
| Dimethyl Ether | 115-10-6 | Experimental Biodegradation | 28 days | Biological Oxygen Demand | 5 % weight | OECD 301D - Closed Bottle Test |
| Isobutane | 75-28-5 | Experimental Photolysis | | Photolytic half- life (in air) | 1/2) | Non-standard method |
| Propane | 74-98-6 | Experimental Photolysis | | Photolytic half- life (in air) | 1/2) | Non-standard method |
| Terpene Phenolic | Trade Secret | Estimated Biodegradation | 28 days | Biological Oxygen Demand | 27.5 %BOD/Th BOD | Non-standard method |
| Ethyl Alcohol | 64-17-5 | Experimental Biodegradation | 14 days | Biological Oxygen Demand | 89 %BOD/ThB OD | OECD 301C - MITI (I) |
| Non-Volatile Resin | Trade Secret | Estimated Biodegradation | 28 days | Carbon dioxide evolution | 24 %CO2 evolution/THC O2 evolution | Catalogic™ |
| Pentane | 109-66-0 | Experimental Photolysis | | Photolytic half- life (in air) | 8.07 days (t 1/2) | Non-standard method |
| Pentane | 109-66-0 | Experimental Biodegradation | 28 days | Biological Oxygen Demand | 87 %BOD/ThB OD | OECD 301F - Manometric Respiro |
| Petroleum Resins | 64742-16-1 | Estimated Biodegradation | 28 days | Carbon dioxide evolution | 18 %CO2 evolution/THC O2 evolution | OECD 301B - Mod. Sturm or CO2 |
| Hexane | 110-54-3 | Experimental Photolysis | | Photolytic half- life (in air) | 5.4 days (t 1/2) | Non-standard method |
| Hexane | 110-54-3 | Experimental Bioconcentrati on | 28 days | Biological Oxygen Demand | 100 % weight | OECD 301C - MITI (I) |
| Toluene | 108-88-3 | Experimental Photolysis | | Photolytic half- life (in air) | 5.2 days (t 1/2) | |
| Toluene | 108-88-3 | Experimental Biodegradation | 20 days | Biological Oxygen Demand | 80 %BOD/ThB OD | APHA Std Meth Water/Wastewater |

12.3. Bioaccumulative potential

| Material | CAS No. | Test Type | Duration | Study Type | Test Result | Protocol |
|---------------|----------|----------------|----------|----------------|-------------|-----------------------|
| 2- | 107-83-5 | Estimated | | Bioaccumulatio | 150 | Est: Bioconcentration |
| Methylpentane | | Bioconcentrati | | n Factor | | factor |

| | | on | | | | |
|----------------------------|--------------|--|----------|--------------------------------------|-------|-----------------------------------|
| Non volatile components | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Cyclohexane | 110-82-7 | Experimental BCF - Carp | 56 days | Bioaccumulatio n Factor | 129 | OECD 305E-Bioaccum Fl-thru fis |
| Dimethyl Ether | 115-10-6 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Isobutane | 75-28-5 | Experimental Bioconcentrati on | | Log of Octanol/H2O part. coeff | 2.76 | Non-standard method |
| Propane | 74-98-6 | Experimental Bioconcentrati on | | Log of Octanol/H2O part. coeff | 2.36 | Non-standard method |
| Terpene Phenolic | Trade Secret | Estimated Bioconcentrati on | | Bioaccumulatio n Factor | 18.9 | Est: Bioconcentration factor |
| Ethyl Alcohol | 64-17-5 | Experimental Bioconcentrati on | | Log of Octanol/H2O part. coeff | -0.35 | Non-standard method |
| Non-Volatile Resin | Trade Secret | Estimated BCF - Other | | Bioaccumulatio n Factor | 7.9 | Catalogic™ |
| Pentane | 109-66-0 | Estimated Bioconcentrati on | | Bioaccumulatio n Factor | 26 | Est: Bioconcentration factor |
| Petroleum Resins | 64742-16-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Hexane | 110-54-3 | Estimated Bioconcentrati on | | Bioaccumulatio n Factor | 50 | Est: Bioconcentration factor |
| Toluene | 108-88-3 | Experimental BCF - Other | 72 hours | Bioaccumulatio n Factor | 90 | |
| Toluene | 108-88-3 | Experimental Bioconcentrati on | | | 2.73 | |

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:UN1950 Proper Shipping Name:AEROSOLS, FLAMMABLE Technical Name:None assigned. Hazard Class/Division:2.1 Subsidiary Risk:None assigned. Packing Group:None assigned. Limited Quantity:Yes Marine Pollutant: None assigned. Marine Pollutant Technical Name: None assigned. Other Dangerous Goods Descriptions: None assigned.

Air Transport (IATA)

UN Number:UN1950 Proper Shipping Name:AEROSOLS, FLAMMABLE Technical Name:None assigned. Hazard Class/Division:2.1 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. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

SECTION 16: Other information

DISCLAIMER: The information in this Safety Data Sheet (SDS) 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 SDS or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own evaluation to satisfy themselves as to the suitability of the product for their own intended applications. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into Malaysia, you are responsible for all applicable regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration/notification.

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