



Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier

3M™ Electrical Insulating Sealer 1601, Clear

Product Identification Numbers

80-6101-3354-0, 80-6107-3294-5

1.2. Recommended use and restrictions on use

Recommended use

ELECTRICAL INSULATING PAINT, INSULATING PAINT

1.3. Supplier's details

| | |
|----------------------|---|
| MANUFACTURER: | 3M |
| DIVISION: | Electrical Markets Division |
| ADDRESS: | 3M Center, St. Paul, MN 55144-1000, USA |
| Telephone: | 1-888-3M HELPS (1-888-364-3577) |

1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification

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

2.2. Label elements

Signal word

Danger

Symbols

Flame | Gas cylinder | Exclamation mark | Health Hazard |

Pictograms



Hazard Statements

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

Causes serious eye irritation.

May cause drowsiness or dizziness.

May displace oxygen and cause rapid suffocation.

Causes damage to organs:

cardiovascular system |

sensory organs |

Causes damage to organs through prolonged or repeated exposure:

nervous system |

May cause damage to organs through prolonged or repeated exposure:

sensory organs |

Precautionary Statements

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Do not breathe dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wear eye/face protection.

Do not eat, drink or smoke when using this product.

Wash thoroughly after handling.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF exposed: Call a POISON CENTER or doctor/physician.

Specific treatment (see Notes to Physician on this label).

Storage:

Protect from sunlight. Do not expose to temperatures exceeding 50C/122F.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal:

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

Notes to Physician:

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

2.3. Hazards not otherwise classified

17% of the mixture consists of ingredients of unknown acute oral toxicity.

17% of the mixture consists of ingredients of unknown acute dermal toxicity.

42% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|--------------------------|------------|------------------------|
| ACETONE | 67-64-1 | 25 - 30 Trade Secret * |
| BUTANE | 106-97-8 | 10 - 20 Trade Secret * |
| XYLENE | 1330-20-7 | 15 - 20 Trade Secret * |
| METHYL ETHYL KETONE | 78-93-3 | 10 - 15 Trade Secret * |
| PROPANE | 74-98-6 | 10 - 15 Trade Secret * |
| STYRENATED ALKYD RESIN | 68604-18-2 | 10 - 15 Trade Secret * |
| ETHYL 3-ETHOXYPROPIONATE | 763-69-9 | < 5 Trade Secret * |

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

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 for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately 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

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

SECTION 5: Fire-fighting measures**5.1. Suitable extinguishing media**

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

5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products**Substance**

Carbon monoxide
Carbon dioxide

Condition

During Combustion
During Combustion

5.3. Special protective actions for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

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

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

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. Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR - AFFF type foam is recommended. 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 using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

For industrial or professional use only. Do not use in a confined area with minimal air exchange. 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.)

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 |
|---------------------|------------|--------|------------------------------|--------------------------------|
| Natural gas | 106-97-8 | ACGIH | Limit value not established: | |
| BUTANE | 106-97-8 | ACGIH | STEL:1000 ppm | |
| XYLENE | 1330-20-7 | OSHA | TWA:435 mg/m3(100 ppm) | |
| XYLENE | 1330-20-7 | ACGIH | TWA:100 ppm;STEL:150 ppm | A4: Not class. as human carcin |
| ACETONE | 67-64-1 | OSHA | TWA:2400 mg/m3(1000 ppm) | |
| ACETONE | 67-64-1 | ACGIH | TWA:250 ppm;STEL:500 ppm | A4: Not class. as human carcin |
| PROPANE | 74-98-6 | ACGIH | Limit value not established: | |
| PROPANE | 74-98-6 | OSHA | TWA:1800 mg/m3(1000 ppm) | |
| METHYL ETHYL KETONE | 78-93-3 | OSHA | TWA:590 mg/m3(200 ppm) | |
| METHYL ETHYL KETONE | 78-93-3 | ACGIH | TWA:200 ppm;STEL:300 ppm | |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

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.

Gloves made from the following material(s) are recommended: Fluoroelastomer

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

Organic vapor respirators may have short service life.

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

| | |
|---------------------------|---|
| General Physical Form: | Liquid |
| Specific Physical Form: | Aerosol |
| Odor, Color, Grade: | clear, solvent odor |
| Odor threshold | <i>No Data Available</i> |
| Boiling Point | <i>No Data Available</i> |
| Flash Point | -50.0 °F [<i>Test Method</i> :Closed Cup] [<i>Details</i> :Liquid portion.] |
| Flammability (solid, gas) | Not Applicable |
| Flammable Limits(LEL) | 1 % [<i>Details</i> :Liquid portion.] |
| Flammable Limits(UEL) | 12.8 % [<i>Details</i> :Liquid portion.] |
| Vapor Pressure | <i>No Data Available</i> |
| Vapor Density | <i>No Data Available</i> |
| Density | 6.2 lb/gal |
| Specific Gravity | 0.75 [<i>Ref Std</i> :WATER=1] |
| Solubility In Water | 38 % |
| Solubility- non-water | <i>No Data Available</i> |
| Decomposition temperature | <i>No Data Available</i> |
| Percent volatile | 57.5 % |

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
Sparks and/or flames

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| Hydrocarbons | Normal Use |
| Ketones | Normal Use |

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:

Intentional concentration and inhalation may be harmful or fatal.

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:

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

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.

Prolonged or repeated exposure may cause target organ effects:

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

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.

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 |
| ACETONE | Dermal | Rabbit | LD50 > 15,688 mg/kg |
| ACETONE | Inhalation-Vapor (4 hours) | Rat | LC50 76 mg/l |
| ACETONE | Ingestion | Rat | LD50 5,800 mg/kg |
| PROPANE | Inhalation-Gas (4 hours) | Rat | LC50 > 200,000 ppm |
| XYLENE | Dermal | Rabbit | LD50 > 4,200 mg/kg |
| XYLENE | Inhalation-Vapor (4 hours) | Rat | LC50 29 mg/l |
| XYLENE | Ingestion | Rat | LD50 3,523 mg/kg |
| METHYL ETHYL KETONE | Dermal | Rabbit | LD50 > 8,050 mg/kg |
| METHYL ETHYL KETONE | Inhalation-Vapor (4 hours) | Rat | LC50 34.5 mg/l |
| METHYL ETHYL KETONE | Ingestion | Rat | LD50 2,737 mg/kg |
| BUTANE | Inhalation-Gas (4 hours) | Rat | LC50 277,000 ppm |
| ETHYL 3-ETHOXYPROPIONATE | Dermal | Rabbit | LD50 4,080 mg/kg |
| ETHYL 3-ETHOXYPROPIONATE | Inhalation-Vapor (4 hours) | Rat | LC50 > 14.4 mg/l |
| ETHYL 3-ETHOXYPROPIONATE | Ingestion | Rat | LD50 3,200 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--------------------------|------------------------|---------------------------|
| ACETONE | Mouse | Minimal irritation |
| PROPANE | Rabbit | Minimal irritation |
| XYLENE | Rabbit | Mild irritant |
| METHYL ETHYL KETONE | Rabbit | Minimal irritation |
| BUTANE | Professional judgement | No significant irritation |
| ETHYL 3-ETHOXYPROPIONATE | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--------------------------|---------|---------------------------|
| ACETONE | Rabbit | Severe irritant |
| PROPANE | Rabbit | Mild irritant |
| XYLENE | Rabbit | Mild irritant |
| METHYL ETHYL KETONE | Rabbit | Severe irritant |
| BUTANE | Rabbit | No significant irritation |
| ETHYL 3-ETHOXYPROPIONATE | Rabbit | Mild irritant |

Skin Sensitization

| Name | Species | Value |
|--------------------------|------------|----------------|
| ETHYL 3-ETHOXYPROPIONATE | Guinea pig | Not classified |

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 |
|--------------------------|----------|--|
| ACETONE | In vivo | Not mutagenic |
| ACETONE | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| PROPANE | In Vitro | Not mutagenic |
| XYLENE | In Vitro | Not mutagenic |
| XYLENE | In vivo | Not mutagenic |
| METHYL ETHYL KETONE | In Vitro | Not mutagenic |
| BUTANE | In Vitro | Not mutagenic |
| ETHYL 3-ETHOXYPROPIONATE | In Vitro | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|---------------------|---------------|-------------------------|--|
| ACETONE | Not Specified | Multiple animal species | Not carcinogenic |
| XYLENE | Dermal | Rat | Not carcinogenic |
| XYLENE | Ingestion | Multiple animal species | Not carcinogenic |
| XYLENE | Inhalation | Human | Some positive data exist, but the data are not sufficient for classification |
| METHYL ETHYL KETONE | Inhalation | Human | Not carcinogenic |

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

| Name | Route | Value | Species | Test Result | Exposure Duration |
|---------------------|------------|--|-------------------------|-----------------------|-----------------------|
| ACETONE | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,700 mg/kg/day | 13 weeks |
| ACETONE | Inhalation | Not classified for development | Rat | NOAEL 5.2 mg/l | during organogenesis |
| XYLENE | Inhalation | Not classified for female reproduction | Human | NOAEL Not available | occupational exposure |
| XYLENE | Ingestion | Not classified for development | Mouse | NOAEL Not available | during organogenesis |
| XYLENE | Inhalation | Not classified for development | Multiple animal species | NOAEL Not available | during gestation |
| METHYL ETHYL KETONE | Inhalation | Not classified for development | Rat | LOAEL 8.8 mg/l | during gestation |

Lactation

| Name | Route | Species | Value |
|--------|-----------|---------|--|
| XYLENE | Ingestion | Mouse | Not classified for effects on or via lactation |

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

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---------|------------|-----------------------------------|--|---------|---------------------|-------------------|
| ACETONE | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| ACETONE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| ACETONE | Inhalation | immune system | Not classified | Human | NOAEL 1.19 | 6 hours |

| | | | | | mg/l | |
|---------------------|------------|-----------------------------------|--|-------------------------|---------------------|------------------------|
| ACETONE | Inhalation | liver | Not classified | Guinea pig | NOAEL Not available | |
| ACETONE | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | poisoning and/or abuse |
| 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 | |
| XYLENE | Inhalation | auditory system | Causes damage to organs | Rat | LOAEL 6.3 mg/l | 8 hours |
| XYLENE | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| XYLENE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| XYLENE | Inhalation | eyes | Not classified | Rat | NOAEL 3.5 mg/l | not available |
| XYLENE | Inhalation | liver | Not classified | Multiple animal species | NOAEL Not available | |
| XYLENE | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Multiple animal species | NOAEL Not available | |
| XYLENE | Ingestion | eyes | Not classified | Rat | NOAEL 250 mg/kg | not applicable |
| METHYL ETHYL KETONE | Inhalation | central nervous system depression | May cause drowsiness or dizziness | official classification | NOAEL Not available | |
| METHYL ETHYL KETONE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| METHYL ETHYL KETONE | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |
| METHYL ETHYL KETONE | Ingestion | liver | Not classified | Rat | NOAEL Not available | not applicable |
| METHYL ETHYL KETONE | Ingestion | kidney and/or bladder | Not classified | Rat | LOAEL 1,080 mg/kg | not applicable |
| BUTANE | Inhalation | cardiac sensitization | Causes damage to organs | Human | NOAEL Not available | |
| BUTANE | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| BUTANE | Inhalation | heart | Not classified | Dog | NOAEL 5,000 ppm | 25 minutes |
| BUTANE | Inhalation | respiratory irritation | Not classified | Rabbit | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---------|------------|-----------------------|----------------|------------|---------------------|-------------------|
| ACETONE | Dermal | eyes | Not classified | Guinea pig | NOAEL Not available | 3 weeks |
| ACETONE | Inhalation | hematopoietic system | Not classified | Human | NOAEL 3 mg/l | 6 weeks |
| ACETONE | Inhalation | immune system | Not classified | Human | NOAEL 1.19 mg/l | 6 days |
| ACETONE | Inhalation | kidney and/or bladder | Not classified | Guinea pig | NOAEL 119 mg/l | not available |
| ACETONE | Inhalation | heart liver | Not classified | Rat | NOAEL 45 mg/l | 8 weeks |
| ACETONE | Ingestion | kidney and/or | Not classified | Rat | NOAEL 900 | 13 weeks |

| | | | | | | |
|------------------------|------------|--|--|-------------------------------|------------------------------|-----------|
| | | bladder | | | mg/kg/day | |
| ACETONE | Ingestion | heart | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| ACETONE | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 200 mg/kg/day | 13 weeks |
| ACETONE | Ingestion | liver | Not classified | Mouse | NOAEL 3,896 mg/kg/day | 14 days |
| ACETONE | Ingestion | eyes | Not classified | Rat | NOAEL 3,400 mg/kg/day | 13 weeks |
| ACETONE | Ingestion | respiratory system | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| ACETONE | Ingestion | muscles | Not classified | Rat | NOAEL 2,500 mg/kg | 13 weeks |
| ACETONE | Ingestion | skin bone, teeth, nails, and/or hair | Not classified | Mouse | NOAEL 11,298 mg/kg/day | 13 weeks |
| XYLENE | Inhalation | nervous system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.4 mg/l | 4 weeks |
| XYLENE | Inhalation | auditory system | May cause damage to organs though prolonged or repeated exposure | Rat | LOAEL 7.8 mg/l | 5 days |
| XYLENE | Inhalation | liver | Not classified | Multiple animal species | NOAEL Not available | |
| XYLENE | Inhalation | heart endocrine system hematopoietic system muscles kidney and/or bladder respiratory system | Not classified | Multiple animal species | NOAEL 3.5 mg/l | 13 weeks |
| XYLENE | Ingestion | auditory system | Not classified | Rat | NOAEL 900 mg/kg/day | 2 weeks |
| XYLENE | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 1,500 mg/kg/day | 90 days |
| XYLENE | Ingestion | liver | Not classified | Multiple animal species | NOAEL Not available | |
| XYLENE | Ingestion | heart skin endocrine system bone, teeth, nails, and/or hair hematopoietic system immune system nervous system respiratory system | Not classified | Mouse | NOAEL 1,000 mg/kg/day | 103 weeks |
| METHYL ETHYL KETONE | Dermal | nervous system | Not classified | Guinea pig | NOAEL Not available | 31 weeks |
| METHYL ETHYL KETONE | Inhalation | liver kidney and/or bladder heart endocrine system bone, teeth, nails, and/or hair hematopoietic system immune system muscles | Not classified | Rat | NOAEL 14.7 mg/l | 90 days |
| METHYL ETHYL KETONE | Ingestion | liver | Not classified | Rat | NOAEL Not available | 7 days |
| METHYL ETHYL KETONE | Ingestion | nervous system | Not classified | Rat | NOAEL 173 mg/kg/day | 90 days |
| BUTANE | Inhalation | kidney and/or bladder blood | Not classified | Rat | NOAEL 4,489 ppm | 90 days |

| | | | | | | |
|--------------------------|------------|--|----------------|-----|-----------------------|---------|
| ETHYL 3-ETHOXYPROPIONATE | Inhalation | hematopoietic system | Not classified | Rat | NOAEL 6 mg/l | 90 days |
| ETHYL 3-ETHOXYPROPIONATE | Inhalation | nervous system heart liver immune system kidney and/or bladder | Not classified | Rat | NOAEL 6 mg/l | 17 days |
| ETHYL 3-ETHOXYPROPIONATE | Ingestion | liver | Not classified | Rat | NOAEL 1,000 mg/kg/day | 17 days |
| ETHYL 3-ETHOXYPROPIONATE | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| ETHYL 3-ETHOXYPROPIONATE | Ingestion | kidney and/or bladder respiratory system | Not classified | Rat | NOAEL 1,000 mg/kg/day | 17 days |

Aspiration Hazard

| Name | Value |
|--------|-------------------|
| XYLENE | 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**Ecotoxicological information**

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

Chemical fate information

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

SECTION 13: Disposal considerations**13.1. Disposal methods**

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

Incinerate in a permitted waste incineration facility. Facility must be capable of handling aerosol cans. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

EPA Hazardous Waste Number (RCRA): D001 (Ignitable), D035 (Methyl ethyl ketone)

SECTION 14: Transport Information

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information**15.1. US Federal Regulations**

Contact 3M for more information.

311/312 Hazard Categories:

Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

EPCRA 311/312 Hazard Classifications (effective January 1, 2018):

| |
|---|
| Physical Hazards |
| Flammable (gases, aerosols, liquids, or solids) |
| Gas under pressure |

| |
|--|
| Health Hazards |
| Serious eye damage or eye irritation |
| Specific target organ toxicity (single or repeated exposure) |

Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

| <u>Ingredient</u> | <u>C.A.S. No</u> | <u>% by Wt</u> |
|-----------------------------|------------------|----------------------|
| XYLENE | 1330-20-7 | Trade Secret 15 - 20 |
| XYLENE (Benzene, dimethyl-) | 1330-20-7 | 15 - 20 |

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

The components of this product are in compliance with the new substance notification requirements of CEPA.

The components of this material are in compliance with the China "Measures on Environmental Management of New Chemical Substance". Certain restrictions may apply. Contact the selling division for additional information.

The components of this material are in compliance with the provisions of the Korean Toxic Chemical 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 chemical notification requirements of TSCA.

Contact 3M for more information.

15.4. International Regulations

Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information

NFPA Hazard Classification

Health: 2 **Flammability:** 4 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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|------------------------|-----------|-------------------------|----------|
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| Issue Date: | 07/25/17 | Supersedes Date: | 12/16/14 |

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