



Safety Data Sheet

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|------------------------|-----------|-------------------------|----------|
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SECTION 1: Identification

1.1. Product identifier

3M™ Scotchcast™ Flame-Retardant Compound 2131 (Part A)

Product Identification Numbers

| ID Number | UPC | ID Number | UPC |
|----------------|-----|----------------|-------------------|
| 80-6114-2633-1 | | 80-6114-6840-8 | 000-51128-59181-9 |

80-6116-1242-7

7000058847, 7010351754

1.2. Recommended use and restrictions on use

Recommended use

Electrical, Part A of two part electrical resin

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

Skin Corrosion/Irritation: Category 2.
 Serious Eye Damage/Irritation: Category 2A.
 Respiratory Sensitizer: Category 1.
 Skin Sensitizer: Category 1.
 Specific Target Organ Toxicity (repeated exposure): Category 1.
 Specific Target Organ Toxicity (single exposure): Category 3.

2.2. Label elements

Signal word

Danger

Symbols

Exclamation mark |Health Hazard |

Pictograms**Hazard Statements**

Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May cause respiratory irritation.

Causes damage to organs through prolonged or repeated exposure: respiratory system.

Precautionary statements**Prevention:**

Do not breathe vapors.
Wash exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves and eye protection.
In case of inadequate ventilation wear respiratory protection.

Response:

IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
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.
Get medical attention if you feel unwell.
If eye irritation persists or if skin irritation or rash occurs: Get medical attention.
If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
Take off contaminated clothing and wash it before reuse.

Storage:

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

Disposal:

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

Supplemental Information:

Persons previously sensitized to isocyanates may develop a cross-sensitization reaction to other isocyanates.

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|---|-------------|------------------------|
| POLYETHER-HYDROCARBON-URETHANE POLYMER | 154517-54-1 | 35 - 45 |
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | 101-68-8 | 15 - 40 Trade Secret * |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | 39310-05-9 | 10 - 30 Trade Secret * |
| DIUNDECYL PHTHALATE | 3648-20-2 | < 15 |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | 26447-40-5 | 1 - 5 Trade Secret * |
| TRIETHYL PHOSPHATE | 78-40-0 | < 1.2 |

*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. 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

Irritating to the respiratory tract (coughing, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain). Allergic respiratory reaction (difficulty breathing, wheezing, cough, and tightness of chest). Allergic skin reaction (redness, swelling, blistering, and itching). Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

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

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

Hazardous Decomposition or By-Products

Substance

Carbon monoxide
Carbon dioxide
Hydrogen Cyanide
Oxides of Nitrogen

Condition

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

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. Pour isocyanate decontaminant solution (90% water, 8% concentrated ammonia, 2% detergent) on spill and allow to react for 10 minutes. Or pour water on spill and allow to react for more than 30 minutes. Cover with absorbent material. 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 container approved for transportation by appropriate authorities, but do not seal the container for 48 hours to avoid pressure build-up. 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. 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 use in a confined area with minimal air exchange. 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.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed to prevent contamination with water or air. If contamination is suspected, do not reseal container. Protect from sunlight. Store away from heat. Store away from strong bases. Store away from areas where product may come into contact with food or pharmaceuticals. Store in a dry place.

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 |
|--------------------------|------------|--------|--------------------------|---------------------|
| P,P'-METHYLENEBIS(PHENYL | 101-68-8 | OSHA | CEIL:0.2 mg/m3(0.02 ppm) | |

| | | | | |
|--------------------|---------|------|-----------------------|--|
| ISOCYANATE) | | | | |
| TRIETHYL PHOSPHATE | 78-40-0 | AIHA | TWA:7.45 mg/m3(1 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

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:

- Safety Glasses with side shields
- 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

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

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 | Liquid |
| Color | Light Straw |
| Odor | Pungent Petroleum |
| 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 |
| Flash Point | ≥ 148.9 °C [<i>Test Method: Closed Cup</i>] |
| Evaporation rate | <i>No Data Available</i> |
| Flammability | Not Applicable |
| Flammable Limits(LEL) | <i>No Data Available</i> |
| Flammable Limits(UEL) | <i>No Data Available</i> |
| Vapor Pressure | <i>No Data Available</i> |
| Relative Vapor Density | <i>No Data Available</i> |
| Density | <i>No Data Available</i> |
| Relative Density | 1.08 [<i>Ref Std: WATER=1</i>] |
| Water solubility | Nil |
| 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> |
| Kinematic Viscosity | 741 mm ² /sec |
| Volatile Organic Compounds | <i>No Data Available</i> |
| Percent volatile | <i>No Data Available</i> |
| VOC Less H₂O & Exempt Solvents | 10.5 g/l |
| Average particle size | <i>No Data Available</i> |
| Bulk density | <i>No Data Available</i> |
| Molecular weight | <i>No Data Available</i> |
| Softening point | <i>No Data Available</i> |

| | |
|---------------------------------|-----------------------|
| Particle Characteristics | <i>Not Applicable</i> |
|---------------------------------|-----------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization may occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong bases

Alcohols

Water

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.

Allergic Respiratory Reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest.

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.

Additional Health Effects:

Prolonged or repeated exposure may cause target organ effects:

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.

Additional Information:

Persons previously sensitized to isocyanates may develop a cross-sensitization reaction to other isocyanates.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

| Name | Route | Species | Value |
|--|--------------------------------|---------|--|
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| POLYETHER-HYDROCARBON-URETHANE POLYMER | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| POLYETHER-HYDROCARBON-URETHANE POLYMER | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.368 mg/l |

| | | | |
|---|--------------------------------|------------|---------------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | Ingestion | Rat | LD50 31,600 mg/kg |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.368 mg/l |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | Ingestion | Rat | LD50 31,600 mg/kg |
| DIUNDECYL PHTHALATE | Dermal | Rat | LD50 > 2,000 mg/kg |
| DIUNDECYL PHTHALATE | Ingestion | Rat | LD50 > 15,800 mg/kg |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | Inhalation-Dust/Mist (4 hours) | Rat | LC50 0.368 mg/l |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | Ingestion | Rat | LD50 31,600 mg/kg |
| TRIETHYL PHOSPHATE | Dermal | Guinea pig | LD50 > 21,400 mg/kg |
| TRIETHYL PHOSPHATE | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 8.8 mg/l |
| TRIETHYL PHOSPHATE | Ingestion | Rat | LD50 1,131 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|---|-------------------------|---------------------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | official classification | Irritant |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | official classification | Irritant |
| DIUNDECYL PHTHALATE | In vitro data | No significant irritation |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | official classification | Irritant |
| TRIETHYL PHOSPHATE | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|---|-------------------------|-----------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | official classification | Severe irritant |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | official classification | Severe irritant |
| DIUNDECYL PHTHALATE | Rabbit | Mild irritant |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | official classification | Severe irritant |
| TRIETHYL PHOSPHATE | Rabbit | Severe irritant |

Skin Sensitization

| Name | Species | Value |
|---|---------|----------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | Mouse | Sensitizing |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | Mouse | Sensitizing |
| DIUNDECYL PHTHALATE | Human | Not classified |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | Mouse | Sensitizing |
| TRIETHYL PHOSPHATE | Mouse | Not classified |

Respiratory Sensitization

| Name | Species | Value |
|------|---------|-------|
|------|---------|-------|

| | | |
|---|-------|-------------|
| | | |
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | Human | Sensitizing |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | Human | Sensitizing |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | Human | Sensitizing |

Germ Cell Mutagenicity

| Name | Route | Value |
|---|----------|--|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| DIUNDECYL PHTHALATE | In Vitro | Not mutagenic |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name | Route | Species | Value |
|---|------------|---------|--|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | Inhalation | Rat | Some positive data exist, but the data are not sufficient for classification |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | Inhalation | Rat | Some positive data exist, but the data are not sufficient for classification |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | Inhalation | Rat | 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 |
|---|------------|--------------------------------------|---------|-----------------------|----------------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | Inhalation | Not classified for development | Rat | NOAEL 0.004 mg/l | during organogenesis |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | Inhalation | Not classified for development | Rat | NOAEL 0.004 mg/l | during organogenesis |
| DIUNDECYL PHTHALATE | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |
| DIUNDECYL PHTHALATE | Ingestion | Not classified for male reproduction | Rat | LOAEL 500 mg/kg/day | 28 days |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | Inhalation | Not classified for development | Rat | NOAEL 0.004 mg/l | during organogenesis |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|------------|------------------------|--|-------------------------|---------------------|-------------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |
| TRIETHYL PHOSPHATE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|------------|-----------------------|--|---------|-----------------------------|-------------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.004 mg/l | 13 weeks |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.004 mg/l | 13 weeks |
| DIUNDECYL PHTHALATE | Ingestion | liver | Not classified | Rat | NOAEL 2,086 mg/kg/day | 21 days |
| DIUNDECYL PHTHALATE | Ingestion | heart | Not classified | Rat | NOAEL 500 mg/kg/day | 28 days |
| DIUNDECYL PHTHALATE | Ingestion | endocrine system | Not classified | Rat | NOAEL 500 mg/kg/day | 28 days |
| DIUNDECYL PHTHALATE | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 500 mg/kg/day | 28 days |
| DIUNDECYL PHTHALATE | Ingestion | immune system | Not classified | Rat | NOAEL 500 mg/kg/day | 28 days |
| DIUNDECYL PHTHALATE | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 500 mg/kg/day | 28 days |
| DIUNDECYL PHTHALATE | Ingestion | respiratory system | Not classified | Rat | NOAEL 500 mg/kg/day | 28 days |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE) | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.004 mg/l | 13 weeks |

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**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.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. 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): Not regulated

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.

EPCRA 311/312 Hazard Classifications:

Physical Hazards

Not Applicable.

Health Hazards

Respiratory or Skin Sensitization

Serious eye damage or eye irritation

Skin Corrosion or 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> |
|--------------------------------------|------------------|----------------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | 101-68-8 | Trade Secret 15 - 40 |

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

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 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. All required components of this product are listed on the active portion of the TSCA Inventory.

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: 1 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.

HMIS Hazard Classification

Health: *3 Flammability: 1 Physical Hazard: 0 Personal Protection: X - See PPE section.

Hazardous Material Identification System (HMIS® IV) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

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