



## Safety Data Sheet

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### Product identifier

3M™ Scotchcast™ Cable Repair Compound, CRC (Parts A & B)

### ID Number(s):

80-6101-0569-6

7000149341

### Recommended use

Electrical, Electrical cable repair.

### Supplier's details

|                      |                             |
|----------------------|-----------------------------|
| <b>MANUFACTURER:</b> | 3M                          |
| <b>DIVISION:</b>     | Electrical Markets Division |

|                   |   |
|-------------------|---|
| <b>ADDRESS:</b>   | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b> | 1-888-3M HELPS (1-888-364-3577)         |

### Emergency telephone number

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

**This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet (SDS), Article Information Sheet (AIS), or Article Information Letter (AIL) for each of these components is included. Please do not separate the component documents from this cover page. The document numbers for components of this product are:**

29-4452-8, 29-4840-4

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## Safety Data Sheet

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
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| <b>Issue Date:</b>     | 02/02/22  | <b>Supersedes Date:</b> | 05/22/18 |

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Scotchcast™ Cable Repair Compound, CRC (Part A)

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Electrical, Cable jacket repair.

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Electrical Markets Division             |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 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

Serious Eye Damage/Irritation: Category 2A.

Skin Corrosion/Irritation: Category 2.

Respiratory Sensitizer: Category 1.

Skin Sensitizer: 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

Exclamation mark | Health Hazard |

##### Pictograms

**Hazard Statements**

Causes serious eye irritation.

Causes skin 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 dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

In case of inadequate ventilation wear respiratory protection.

Wear protective gloves and eye/face protection.

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

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

**Response:**

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

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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 ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Get medical advice/attention if you feel unwell.

**Storage:**

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.

**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<br>POLYMER | 154517-54-1 | 35 - 45                |
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE)      | 101-68-8    | 25 - 35 Trade Secret * |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-,   | 39310-05-9  | 5 - 15 Trade Secret *  |

|   |            |                    |
|---|------------|--------------------|
| HOMOPOLYMER   |            |                    |
| DIUNDECYL PHTHALATE                                     | 3648-20-2  | < 15               |
| DIUNDECYL PHTHALATE, BRANCHED AND LINEAR                | 85507-79-5 | < 15               |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE)                    | 26447-40-5 | < 2 Trade Secret * |
| 1,1,3-TRIS(3-TERT-BUTYL-4-HYDROXY-6-METHYLPHENYL)BUTANE | 1843-03-4  | < 1 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. 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. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

### 6.3. Methods and material for containment and cleaning up

Contain spill. 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 ISOCYANATE) | 101-68-8   | ACGIH  | TWA:0.005 ppm                         |                     |
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE) | 101-68-8   | OSHA   | CEIL:0.2 mg/m <sup>3</sup> (0.02 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:

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 (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

#### Respiratory protection

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 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

#### Appearance

Physical state

Liquid

Color

Light Straw

Odor

Pungent Odor

Odor threshold

*No Data Available*

pH

*Not Applicable*

Melting point

*Not Applicable*

Boiling Point

$\geq 300$  °F

Flash Point

$\geq 300$  °F [*Test Method: Closed Cup*]

Evaporation rate

*No Data Available*

Flammability (solid, gas)

Not Applicable

Flammable Limits(LEL)

*No Data Available*

Flammable Limits(UEL)

*No Data Available*

Vapor Pressure

*No Data Available*

|   |                          |
|---|--------------------------|
| Vapor Density                           | <i>No Data Available</i> |
| Density                                 | <i>No Data Available</i> |
| Specific Gravity                        | 1.08 [Ref Std: WATER=1]  |
| Solubility in Water                     | 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> |
| Viscosity                               | 700 - 900 centipoise     |
| Average particle size                   | <i>No Data Available</i> |
| Bulk density                            | <i>No Data Available</i> |
| Hazardous Air Pollutants                | <i>No Data Available</i> |
| Molecular weight                        | <i>No Data Available</i> |
| Softening point                         | <i>No Data Available</i> |
| VOC Less H2O & Exempt Solvents          | 10.5 g/l                 |

## 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

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| None known.      |                  |

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not 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                              |
| DIUNDECYL PHTHALATE                                 | Dermal                         | Rabbit  | LD50 > 7,900 mg/kg                             |
| DIUNDECYL PHTHALATE                                 | Ingestion                      | Rat     | LD50 > 15,000 mg/kg                            |
| DIUNDECYL PHTHALATE, BRANCHED AND LINEAR            | Dermal                         | Rat     | LD50 > 2,000 mg/kg                             |
| DIUNDECYL PHTHALATE, BRANCHED AND LINEAR            | Ingestion                      | Rat     | LD50 > 15,800 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                              |
| 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                              |

|   |           |     |                    |
|---|-----------|-----|--------------------|
| 1,1,3-TRIS(3-TERT-BUTYL-4-HYDROXY-6-METHYLPHENYL)BUTANE | Dermal    | Rat | LD50 > 2,000 mg/kg |
| 1,1,3-TRIS(3-TERT-BUTYL-4-HYDROXY-6-METHYLPHENYL)BUTANE | Ingestion | Rat | LD50 > 5,000 mg/kg |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name  | Species                 | Value                     |
|---|-------------------------|---------------------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE)                    | official classification | Irritant                  |
| DIUNDECYL PHTHALATE, BRANCHED AND LINEAR                | Rabbit                  | No significant irritation |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER     | official classification | Irritant                  |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE)                    | official classification | Irritant                  |
| 1,1,3-TRIS(3-TERT-BUTYL-4-HYDROXY-6-METHYLPHENYL)BUTANE | In vitro data           | No significant irritation |

### Serious Eye Damage/Irritation

| Name  | Species                 | Value                     |
|---|-------------------------|---------------------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE)                    | official classification | Severe irritant           |
| DIUNDECYL PHTHALATE, BRANCHED AND LINEAR                | Rabbit                  | Mild irritant             |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER     | official classification | Severe irritant           |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE)                    | official classification | Severe irritant           |
| 1,1,3-TRIS(3-TERT-BUTYL-4-HYDROXY-6-METHYLPHENYL)BUTANE | In vitro data           | No significant irritation |

### Skin Sensitization

| Name  | Species                 | Value          |
|---|-------------------------|----------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE)                    | official classification | Sensitizing    |
| DIUNDECYL PHTHALATE, BRANCHED AND LINEAR                | Human                   | Not classified |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER     | official classification | Sensitizing    |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE)                    | official classification | Sensitizing    |
| 1,1,3-TRIS(3-TERT-BUTYL-4-HYDROXY-6-METHYLPHENYL)BUTANE | Mouse                   | Sensitizing    |

### 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  |
| DIUNDECYL PHTHALATE, BRANCHED AND LINEAR                | In Vitro | Not mutagenic  |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER     | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 1,1'-METHYLENEBIS(ISOCYANATOBENZENE)                    | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 1,1,3-TRIS(3-TERT-BUTYL-4-HYDROXY-6-METHYLPHENYL)BUTANE | In Vitro | Not mutagenic  |

### 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 |
| DIUNDECYL PHTHALATE, BRANCHED AND LINEAR            | Ingestion  | Not classified for male reproduction | Rat     | NOAEL 2,100 mg/kg/day | 21 days              |
| DIUNDECYL PHTHALATE, BRANCHED AND LINEAR            | Ingestion  | Not classified for development       | Rat     | NOAEL 1,000 mg/kg/day | during gestation     |
| BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-, HOMOPOLYMER | Inhalation | Not classified for development       | Rat     | NOAEL 0.004 mg/l      | during organogenesis |
| 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 |                   |

#### 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          |
| DIUNDECYL PHTHALATE, BRANCHED AND LINEAR | Ingestion  | liver              | Not classified   | Rat     | NOAEL 2,100 mg/kg/day | 21 days           |
| BENZENE, 1,1'-METHYLENEBIS[ISOCY         | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat     | LOAEL 0.004 mg/l      | 13 weeks          |

|   |            |  |   |     |                        |          |
|---|------------|--|---|-----|------------------------|----------|
| ANATO-,<br>HOMOPOLYMER  |            |  |   |     |                        |          |
| 1,1'-<br>METHYLENEBIS(ISOCY<br>ANATOBENZENE)                        | Inhalation | respiratory system   | Causes damage to organs through<br>prolonged or repeated exposure | Rat | LOAEL<br>0.004 mg/l    | 13 weeks |
| 1,1,3-TRIS(3-TERT-<br>BUTYL-4-HYDROXY-6-<br>METHYLPHENYL)BUT<br>ANE | Ingestion  | endocrine system  <br>hematopoietic<br>system   liver   eyes | Not classified  | Rat | NOAEL 392<br>mg/kg/day | 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):**

| <b>Ingredient</b>   | <b>C.A.S. No</b> | <b>% by Wt</b>       |
|---|------------------|----------------------|
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE)  | 101-68-8         | Trade Secret 25 - 35 |
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE)<br>(Benzene, 1,1'-methylenebis[4-isocyanato-]) | 101-68-8         | Trade Secret 25 - 35 |
| P,P'-METHYLENEBIS(PHENYL ISOCYANATE)<br>(DIISOCYANATES (CERTAIN CHEMICALS ONLY))    | 101-68-8         | Trade Secret 25 - 35 |

**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.

|  |
|--|
| <b>This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.</b> |
|--|

**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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**Issue Date:** 02/02/22

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## Safety Data Sheet

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 29-4452-8 | <b>Version Number:</b>  | 3.00     |
| <b>Issue Date:</b>     | 05/22/18  | <b>Supersedes Date:</b> | 01/04/18 |

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Scotchcast™ Cable Repair Compound, CRC (Part B)

#### Product Identification Numbers

LH-A100-0944-9

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Cable jacket repair., Part B of two-part resin system.

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Electrical Markets Division             |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 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

Serious Eye Damage/Irritation: Category 1.

Carcinogenicity: Category 2.

#### 2.2. Label elements

##### Signal word

Danger

##### Symbols

Corrosion | Health Hazard |

##### Pictograms

**Hazard Statements**

Causes serious eye damage.  
Suspected of causing cancer.

**Precautionary Statements****Prevention:**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear eye/face protection.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.

**Storage:**

Store locked up.

**Disposal:**

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

3% of the mixture consists of ingredients of unknown acute oral toxicity.

7% of the mixture consists of ingredients of unknown acute dermal toxicity.

### SECTION 3: Composition/information on ingredients

| Ingredient   | C.A.S. No. | % by Wt                |
|--|------------|------------------------|
| 1,3-BUTADIENE, HOMOPOLYMER, HYDROXY-TERMINATED                   | 69102-90-5 | 35 - 45 Trade Secret * |
| DIUNDECYL PHTHALATE  | 3648-20-2  | 15 - 25 Trade Secret * |
| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- | 25322-69-4 | 10 - 20 Trade Secret * |
| N,N-DI(2-HYDROXYPROPYL)ANILINE                                   | 3077-13-2  | 5 - 15 Trade Secret *  |
| DIPROPYLENE GLYCOL   | 25265-71-8 | 5 - 10 Trade Secret *  |
| 4,4'-METHYLENEBIS(2,6-DIETHYLANILINE)                            | 13680-35-8 | 1 - 6 Trade Secret *   |
| ALUMINUM POTASSIUM SODIUM SILICATE                               | 12736-96-8 | 1 - 5 Trade Secret *   |
| CARBON BLACK   | 1333-86-4  | 1 - 5 Trade Secret *   |
| Castor oil   | 8001-79-4  | 1 - 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. If you are concerned, get medical advice.

**Skin Contact:**

Wash with soap and water. If you are concerned, get medical advice.

**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**

Not applicable.

**SECTION 5: Fire-fighting measures**

**5.1. Suitable extinguishing media**

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

**5.2. Special hazards arising from the substance or mixture**

None inherent in this product.

**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. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2. Environmental precautions**

Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Use personal protective equipment (gloves, respirators, etc.) as required.

**7.2. Conditions for safe storage including any incompatibilities**

No special storage requirements.

## 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          |
|--|------------|--------|---------------------------------|------------------------------|
| CARBON BLACK   | 1333-86-4  | ACGIH  | TWA(inhalable fraction):3 mg/m3 | A3: Confirmed animal carcin. |
| CARBON BLACK   | 1333-86-4  | OSHA   | TWA:3.5 mg/m3                   |                              |
| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy- | 25322-69-4 | AIHA   | TWA(as aerosol):10 mg/m3        |                              |

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:

Full Face Shield

Indirect Vented Goggles

##### Skin/hand protection

No chemical protective gloves are required.

##### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

General Physical Form:

Liquid

|  |  |
|--|--|
| <b>Odor, Color, Grade:</b>                     | Smooth black liquid with characteristic odor |
| <b>Odor threshold</b>                          | <i>No Data Available</i>                     |
| <b>pH</b>                                      | <i>Not Applicable</i>                        |
| <b>Melting point</b>                           | <i>Not Applicable</i>                        |
| <b>Boiling Point</b>                           | > 300 °F                                     |
| <b>Flash Point</b>                             | > 300 °F                                     |
| <b>Evaporation rate</b>                        | <i>No Data Available</i>                     |
| <b>Flammability (solid, gas)</b>               | Not Applicable                               |
| <b>Flammable Limits(LEL)</b>                   | <i>Not Applicable</i>                        |
| <b>Flammable Limits(UEL)</b>                   | <i>Not Applicable</i>                        |
| <b>Vapor Pressure</b>                          | < 27 psia [ <i>@ 131 °F</i> ]                |
| <b>Vapor Density</b>                           | <i>No Data Available</i>                     |
| <b>Density</b>                                 | <i>No Data Available</i>                     |
| <b>Specific Gravity</b>                        | 0.98 [ <i>Details:Ref Std: Water = 1</i> ]   |
| <b>Solubility In Water</b>                     | <i>Not Applicable</i>                        |
| <b>Solubility- non-water</b>                   | <i>No Data Available</i>                     |
| <b>Partition coefficient: n-octanol/ water</b> | <i>No Data Available</i>                     |
| <b>Autoignition temperature</b>                | <i>No Data Available</i>                     |
| <b>Decomposition temperature</b>               | <i>No Data Available</i>                     |
| <b>Viscosity</b>                               | 1,600 centipoise - 2,000 centipoise          |
| <b>Average particle size</b>                   | <i>No Data Available</i>                     |
| <b>Bulk density</b>                            | <i>No Data Available</i>                     |
| <b>Hazardous Air Pollutants</b>                | <i>No Data Available</i>                     |
| <b>Molecular weight</b>                        | <i>No Data Available</i>                     |
| <b>Volatile Organic Compounds</b>              | <i>No Data Available</i>                     |
| <b>Percent volatile</b>                        | <i>No Data Available</i>                     |
| <b>Softening point</b>                         | <i>No Data Available</i>                     |
| <b>VOC Less H2O &amp; Exempt Solvents</b>      | <i>No Data Available</i>                     |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Sparks and/or flames

### 10.5. Incompatible materials

Not determined

No Data Available

### 10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| Carbon monoxide  | Not Specified    |
| Carbon dioxide   | Not Specified    |

## 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:

May cause additional health effects (see below).

#### Skin Contact:

Contact with the skin during product use is not expected to result in significant irritation.

#### Eye Contact:

Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

#### Ingestion:

May be harmful if swallowed.

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

#### Additional Health Effects:

#### Carcinogenicity:

Contains a chemical or chemicals which can cause cancer.

| Ingredient   | CAS No.   | Class Description             | Regulation                                  |
|--------------|-----------|-------------------------------|---|
| CARBON BLACK | 1333-86-4 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

#### Toxicological Data

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

#### Acute Toxicity

| Name  | Route     | Species | Value   |
|---|-----------|---------|---|
| Overall product   | Dermal    |         | No data available; calculated ATE >5,000 mg/kg        |
| Overall product   | Ingestion |         | No data available; calculated ATE 2,000 - 5,000 mg/kg |
| 1,3-BUTADIENE, HOMOPOLYMER, HYDROXY-TERMINATED                  | Dermal    |         | LD50 estimated to be > 5,000 mg/kg                    |
| 1,3-BUTADIENE, HOMOPOLYMER, HYDROXY-TERMINATED                  | Ingestion |         | LD50 estimated to be 2,000 - 5,000 mg/kg              |
| DIUNDECYL PHTHALATE   | Dermal    | Rabbit  | LD50 > 7,900 mg/kg                                    |
| DIUNDECYL PHTHALATE   | Ingestion | Rat     | LD50 > 15,000 mg/kg                                   |
| Poly[oxy(methyl-1,2-ethanediy)], .alpha.-hydro-.omega.-hydroxy- | Dermal    | Rabbit  | LD50 > 10,000 mg/kg                                   |
| Poly[oxy(methyl-1,2-ethanediy)], .alpha.-hydro-.omega.-hydroxy- | Ingestion | Rat     | LD50 > 2,000 mg/kg                                    |
| N,N-DI(2-HYDROXYPROPYL)ANILINE                                  | Dermal    | Rabbit  | LD50 > 2,000 mg/kg                                    |
| N,N-DI(2-HYDROXYPROPYL)ANILINE                                  | Ingestion | Rat     | LD50 3,800 mg/kg                                      |

|                                       |                                |        |                              |
|---------------------------------------|--------------------------------|--------|------------------------------|
| DIPROPYLENE GLYCOL                    | Dermal                         | Rabbit | LD50 > 5,010 mg/kg           |
| DIPROPYLENE GLYCOL                    | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 2.34 mg/l             |
| DIPROPYLENE GLYCOL                    | Ingestion                      | Rat    | LD50 > 5,010 mg/kg           |
| 4,4'-METHYLENEBIS(2,6-DIETHYLANILINE) | Ingestion                      | Rat    | LD50 1,901 mg/kg             |
| CARBON BLACK                          | Dermal                         | Rabbit | LD50 > 3,000 mg/kg           |
| CARBON BLACK                          | Ingestion                      | Rat    | LD50 > 8,000 mg/kg           |
| Castor oil                            | Dermal                         |        | LD50 estimated to be > 5,000 |
| Castor oil                            | Ingestion                      |        | LD50 estimated to be > 5,000 |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name   | Species                | Value                     |
|--|------------------------|---------------------------|
| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-N,N-DI(2-HYDROXYPROPYL)ANILINE | Rabbit                 | No significant irritation |
|  | Professional judgement | Minimal irritation        |
| DIPROPYLENE GLYCOL   | Rabbit                 | No significant irritation |
| 4,4'-METHYLENEBIS(2,6-DIETHYLANILINE)  | Rabbit                 | Minimal irritation        |
| CARBON BLACK   | Rabbit                 | No significant irritation |
| Castor oil   | Human                  | Minimal irritation        |

### Serious Eye Damage/Irritation

| Name   | Species                | Value                     |
|--|------------------------|---------------------------|
| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.-hydroxy-N,N-DI(2-HYDROXYPROPYL)ANILINE | Rabbit                 | No significant irritation |
|  | Professional judgement | Corrosive                 |
| DIPROPYLENE GLYCOL   | Rabbit                 | No significant irritation |
| 4,4'-METHYLENEBIS(2,6-DIETHYLANILINE)  | Rabbit                 | No significant irritation |
| CARBON BLACK   | Rabbit                 | No significant irritation |
| Castor oil   | Rabbit                 | Mild irritant             |

### Skin Sensitization

| Name               | Species    | Value          |
|--------------------|------------|----------------|
| DIPROPYLENE GLYCOL | Guinea pig | Not classified |
| Castor oil         | Human      | 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  |
|---------------------------------------|----------|--|
| DIPROPYLENE GLYCOL                    | In Vitro | Not mutagenic  |
| DIPROPYLENE GLYCOL                    | In vivo  | Not mutagenic  |
| 4,4'-METHYLENEBIS(2,6-DIETHYLANILINE) | In Vitro | Not mutagenic  |
| CARBON BLACK                          | In Vitro | Not mutagenic  |
| CARBON BLACK                          | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| Castor oil                            | In Vitro | Not mutagenic  |
| Castor oil                            | In vivo  | Not mutagenic  |

### Carcinogenicity

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

|                    |            |                         |                  |
|--------------------|------------|-------------------------|------------------|
| DIPROPYLENE GLYCOL | Ingestion  | Multiple animal species | Not carcinogenic |
| CARBON BLACK       | Dermal     | Mouse                   | Not carcinogenic |
| CARBON BLACK       | Ingestion  | Mouse                   | Not carcinogenic |
| CARBON BLACK       | Inhalation | Rat                     | Carcinogenic     |

## Reproductive Toxicity

### Reproductive and/or Developmental Effects

| Name               | Route     | Value                          | Species | Test Result           | Exposure Duration    |
|--------------------|-----------|--------------------------------|---------|-----------------------|----------------------|
| DIPROPYLENE GLYCOL | Ingestion | Not classified for development | Rat     | NOAEL 5,000 mg/kg/day | during organogenesis |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

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

### Specific Target Organ Toxicity - repeated exposure

| Name               | Route      | Target Organ(s)  | Value  | Species | Test Result            | Exposure Duration     |
|--------------------|------------|--|--|---------|------------------------|-----------------------|
| DIPROPYLENE GLYCOL | Ingestion  | respiratory system   | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 470 mg/kg/day    | 105 weeks             |
| DIPROPYLENE GLYCOL | Ingestion  | heart  | Not classified   | Rat     | NOAEL 470 mg/kg/day    | 105 weeks             |
| DIPROPYLENE GLYCOL | Ingestion  | endocrine system   liver   | Not classified   | Rat     | NOAEL 3,040 mg/kg/day  | 105 weeks             |
| DIPROPYLENE GLYCOL | Ingestion  | kidney and/or bladder  | Not classified   | Rat     | NOAEL 115 mg/kg/day    | 105 weeks             |
| DIPROPYLENE GLYCOL | Ingestion  | skin   bone, teeth, nails, and/or hair   hematopoietic system   immune system   nervous system   vascular system | Not classified   | Rat     | NOAEL 3,040 mg/kg/day  | 105 weeks             |
| CARBON BLACK       | Inhalation | pneumoconiosis   | Not classified   | Human   | NOAEL Not available    | occupational exposure |
| Castor oil         | Ingestion  | heart   hematopoietic system   liver   | Not classified   | Rat     | NOAEL 4,800 mg/kg/day  | 13 weeks              |
| Castor oil         | Ingestion  | kidney and/or bladder  | Not classified   | Mouse   | NOAEL 13,000 mg/kg/day | 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**

Carcinogenicity

Serious eye damage or eye irritation

**15.2. State Regulations**

Contact 3M for more information.

**15.3. Chemical Inventories**

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 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 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: 3 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.

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