



## Safety Data Sheet

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

#### 1.1. Product identifier

3M(TM) Tire Restorer PN 39042, 46604

#### Product Identification Numbers

LB-K100-0440-3, LB-K100-1277-8, 60-4550-3482-1, 60-4550-3573-7, 60-4550-3580-2, 60-4550-6506-4, 60-4550-6729-2, 60-4550-7147-6

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

##### Recommended use

Automotive, Appearance Enhancement

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Automotive Aftermarket                  |
| <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

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. This information may be different from the actual product label information for labels regulated by other agencies.

#### 2.1. Hazard classification

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### 2.2. Label elements

##### Signal word

Not applicable.

##### Symbols

Not applicable.

##### Pictograms

Not applicable.

**2.3. Hazards not otherwise classified**

None.

**SECTION 3: Composition/information on ingredients**

| Ingredient   | C.A.S. No.  | % by Wt                |
|--|-------------|------------------------|
| Water  | 7732-18-5   | 60 - 90 Trade Secret * |
| Poly(Dimethylsiloxane)   | 63148-62-9  | 10 - 30 Trade Secret * |
| Glycerin   | 56-81-5     | 3 - 7 Trade Secret *   |
| Poly(Oxy-1,2-Ethanediy), .Alpha.-(2-Propylheptyl)-.Omega.-Hydroxy- | 160875-66-1 | < 2 Trade Secret *     |
| Formaldehyde   | 50-00-0     | < 0.1 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:**

Wash with soap and water. If signs/symptoms develop, get medical attention.

**Eye Contact:**

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, 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**

Material will not burn. Use a fire fighting agent suitable for the surrounding fire.

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

None inherent in this product.

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

Formaldehyde  
Carbon monoxide  
Carbon dioxide

**Condition**

During Combustion  
During Combustion  
During Combustion

**5.3. Special protective actions for fire-fighters**

No special protective actions for fire-fighters are anticipated.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Ventilate the area with fresh air. Observe precautions from other sections.

**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. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible.

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

Keep out of reach of children. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**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                     |
|--------------|------------|--------|---|---|
| Formaldehyde | 50-00-0    | CMRG   | TWA:0.5 ppm   |   |
| Formaldehyde | 50-00-0    | OSHA   | TWA:0.75 ppm;STEL:2 ppm   | 29 CFR 1910.1048                        |
| Formaldehyde | 50-00-0    | ACGIH  | CEIL:0.3 ppm  | A2: Suspected human carcin., Sensitizer |
| Glycerin     | 56-81-5    | OSHA   | TWA(as total dust):15 mg/m <sup>3</sup> ;TWA(respirable fraction):5 mg/m <sup>3</sup> |   |

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

None required.

#### Skin/hand protection

No protective gloves 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

|  |  |
|--|--|
| <b>General Physical Form:</b>                  | Liquid   |
| <b>Specific Physical Form:</b>                 | Emulsion   |
| <b>Odor, Color, Grade:</b>                     | White Emulsion,  |
| <b>Odor threshold</b>                          | <i>No Data Available</i>   |
| <b>Melting point</b>                           | <i>Not Applicable</i>  |
| <b>Boiling Point</b>                           | 212 °F   |
| <b>Flash Point</b>                             | No flash point   |
| <b>Evaporation rate</b>                        | <i>Not Applicable</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>                          | <i>No Data Available</i>   |
| <b>Vapor Density</b>                           | <i>Not Applicable</i>  |
| <b>Density</b>                                 | 1 g/ml   |
| <b>Specific Gravity</b>                        | 1 [ <i>Ref Std: WATER=1</i> ]                                    |
| <b>Solubility in Water</b>                     | Complete   |
| <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>Not Applicable</i>  |
| <b>Decomposition temperature</b>               | <i>No Data Available</i>   |
| <b>Viscosity</b>                               | 1 - 50 centipoise  |
| <b>Hazardous Air Pollutants</b>                | 0.0233 lb HAPS/lb solids [ <i>Test Method: Calculated</i> ]      |
| <b>Volatile Organic Compounds</b>              | 0.1 % weight [ <i>Test Method: calculated per CARB title 2</i> ] |
| <b>Volatile Organic Compounds</b>              | 1 g/l [ <i>Test Method: calculated SCAQMD rule 443.1</i> ]       |
| <b>Percent volatile</b>                        | 81 %   |
| <b>VOC Less H2O &amp; Exempt Solvents</b>      | 2 g/l [ <i>Test Method: calculated SCAQMD rule 443.1</i> ]       |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 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.

#### Skin Contact:

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

#### Eye Contact:

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

#### Ingestion:

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

#### Carcinogenicity:

| <u>Ingredient</u> | <u>CAS No.</u> | <u>Class Description</u>       | <u>Regulation</u>                           |
|-------------------|----------------|--------------------------------|---|
| Formaldehyde      | 50-00-0        | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Formaldehyde      | 50-00-0        | Known human carcinogen         | National Toxicology Program Carcinogens     |
| Formaldehyde      | 50-00-0        | Cancer hazard                  | OSHA Carcinogens                            |

#### 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 |
| Poly(Dimethylsiloxane) | Dermal                   | Rabbit  | LD50 > 19,400 mg/kg                             |
| Poly(Dimethylsiloxane) | Ingestion                | Rat     | LD50 > 17,000 mg/kg                             |
| Glycerin               | Dermal                   | Rabbit  | LD50 estimated to be > 5,000 mg/kg              |
| Glycerin               | Ingestion                | Rat     | LD50 > 5,000 mg/kg                              |
| Formaldehyde           | Dermal                   | Rabbit  | LD50 270 mg/kg                                  |
| Formaldehyde           | Inhalation-Gas (4 hours) | Rat     | LC50 470 ppm                                    |
| Formaldehyde           | Ingestion                | Rat     | LD50 800 mg/kg                                  |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                   | Species                 | Value                     |
|------------------------|-------------------------|---------------------------|
| Poly(Dimethylsiloxane) | Rabbit                  | No significant irritation |
| Glycerin               | Rabbit                  | No significant irritation |
| Formaldehyde           | official classification | Corrosive                 |

### Serious Eye Damage/Irritation

| Name                   | Species                 | Value                     |
|------------------------|-------------------------|---------------------------|
| Poly(Dimethylsiloxane) | Rabbit                  | No significant irritation |
| Glycerin               | Rabbit                  | No significant irritation |
| Formaldehyde           | official classification | Corrosive                 |

### Skin Sensitization

| Name         | Species    | Value           |
|--------------|------------|-----------------|
| Glycerin     | Guinea pig | Not sensitizing |
| Formaldehyde | Guinea pig | Sensitizing     |

### Respiratory Sensitization

| Name         | Species | Value  |
|--------------|---------|--|
| Formaldehyde | Human   | Some positive data exist, but the data are not sufficient for classification |

### Germ Cell Mutagenicity

| Name         | Route    | Value  |
|--------------|----------|--|
| Formaldehyde | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Formaldehyde | In vivo  | Mutagenic  |

### Carcinogenicity

| Name         | Route         | Species          | Value  |
|--------------|---------------|------------------|--|
| Glycerin     | Ingestion     | Mouse            | Some positive data exist, but the data are not sufficient for classification |
| Formaldehyde | Not Specified | Human and animal | Carcinogenic   |

### Reproductive Toxicity

**Reproductive and/or Developmental Effects**

| Name         | Route      | Value  | Species | Test Result           | Exposure Duration |
|--------------|------------|--|---------|-----------------------|-------------------|
| Glycerin     | Ingestion  | Not toxic to female reproduction   | Rat     | NOAEL 2,000 mg/kg/day | 2 generation      |
| Glycerin     | Ingestion  | Not toxic to male reproduction   | Rat     | NOAEL 2,000 mg/kg/day | 2 generation      |
| Glycerin     | Ingestion  | Not toxic to development   | Rat     | NOAEL 2,000 mg/kg/day | 2 generation      |
| Formaldehyde | Ingestion  | Some positive male reproductive data exist, but the data are not sufficient for classification | Rat     | NOAEL 100 mg/kg       | not applicable    |
| Formaldehyde | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification     | Rat     | NOAEL 10 ppm          | during gestation  |

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

| Name         | Route      | Target Organ(s)        | Value  | Species | Test Result         | Exposure Duration |
|--------------|------------|------------------------|--|---------|---------------------|-------------------|
| Formaldehyde | Inhalation | respiratory system     | Causes damage to organs  | Rat     | LOAEL 128 ppm       | 6 hours           |
| Formaldehyde | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human   | NOAEL Not available |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name         | Route      | Target Organ(s)   | Value  | Species | Test Result            | Exposure Duration |
|--------------|------------|---|--|---------|------------------------|-------------------|
| Glycerin     | Inhalation | respiratory system  | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 3.91 mg/l        | 14 days           |
| Glycerin     | Inhalation | heart   liver   kidney and/or bladder                                   | All data are negative  | Rat     | NOAEL 3.91 mg/l        | 14 days           |
| Glycerin     | Ingestion  | endocrine system   hematopoietic system   liver   kidney and/or bladder | All data are negative  | Rat     | NOAEL 10,000 mg/kg/day | 2 years           |
| Formaldehyde | Dermal     | respiratory system  | Some positive data exist, but the data are not sufficient for classification | Mouse   | NOAEL 80 mg/kg/day     | 60 weeks          |
| Formaldehyde | Inhalation | respiratory system  | Causes damage to organs through prolonged or repeated exposure               | Rat     | NOAEL 0.3 ppm          | 28 months         |
| Formaldehyde | Inhalation | liver   | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 20 ppm           | 13 weeks          |
| Formaldehyde | Inhalation | hematopoietic system  | Some positive data exist, but the data are not sufficient for classification | Mouse   | NOAEL 15 ppm           | 3 weeks           |
| Formaldehyde | Inhalation | nervous system  | Some positive data exist, but the data are not sufficient for classification | Mouse   | NOAEL 10 ppm           | 13 weeks          |
| Formaldehyde | Inhalation | endocrine system   immune system   muscles   kidney and/or bladder      | All data are negative  | Rat     | NOAEL 15 ppm           | 28 months         |
| Formaldehyde | Inhalation | eyes   vascular system  | All data are negative  | Rat     | NOAEL 14.3 ppm         | 2 years           |
| Formaldehyde | Inhalation | heart   | All data are negative  | Mouse   | NOAEL 14.3             | 2 years           |

|              |           |  |  |     | ppm                 |           |
|--------------|-----------|--|--|-----|---------------------|-----------|
| Formaldehyde | Ingestion | liver  | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 300 mg/kg/day | 2 years   |
| Formaldehyde | Ingestion | immune system  | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 20 mg/kg/day  | 4 weeks   |
| Formaldehyde | Ingestion | kidney and/or bladder  | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 15 mg/kg/day  | 24 months |
| Formaldehyde | Ingestion | nervous system   | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 109 mg/kg/day | 2 years   |
| Formaldehyde | Ingestion | heart   endocrine system   hematopoietic system   respiratory system   vascular system | All data are negative  | Rat | NOAEL 300 mg/kg/day | 2 years   |
| Formaldehyde | Ingestion | skin   muscles   eyes  | All data are negative  | Rat | NOAEL 109 mg/kg/day | 2 years   |

**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.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements.

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

## 15.2. State Regulations

Contact 3M for more information.

### California Proposition 65

| <u>Ingredient</u> | <u>C.A.S. No.</u> | <u>Classification</u> |
|-------------------|-------------------|-----------------------|
| Formaldehyde      | 50-00-0           | Carcinogen            |

WARNING: This product contains a chemical known to the State of California to cause cancer.

## 15.3. Chemical Inventories

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: 1 Flammability: 0 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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