



Safety Data Sheet

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| Document Group: | 29-5813-0 | Version Number: | 4.03 |
| Issue Date: | 02/03/22 | Supersedes Date: | 06/14/21 |

SECTION 1: Identification

1.1. Product identifier

3M™ Lens & Hard Plastic Cleaner, 39017

Product Identification Numbers

LB-K100-1278-2, 60-4550-5556-0, 60-4550-6736-7, 60-4551-0217-2
7100169037, 7000120109, 7000028318

1.2. Recommended use and restrictions on use

Recommended use

Automotive

1.3. Supplier's details

| | |
|----------------------|---|
| MANUFACTURER: | 3M |
| DIVISION: | Automotive Aftermarket |
| 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

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

Specific Target Organ Toxicity (repeated exposure): Category 1.

2.2. Label elements

Signal word

Danger

Symbols

Health Hazard |

Pictograms



Hazard Statements

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

Precautionary Statements

General:

Keep out of reach of children.

Prevention:

Do not breathe dust/fume/gas/mist/vapors/spray.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.

Response:

Get medical advice/attention if you feel unwell.

Disposal:

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

1% of the mixture consists of ingredients of unknown acute oral toxicity.

2% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|--|------------|--------------------------|
| Water | 7732-18-5 | 30 - 60 Trade Secret * |
| Silica | 7631-86-9 | 15 - 40 Trade Secret * |
| Hydrotreated Light Petroleum Distillates | 64742-47-8 | 10 - 30 Trade Secret * |
| Kaolinite | 1318-74-7 | 3 - 7 Trade Secret * |
| Solvent Dewaxed Heavy Paraffinic Distillate (Petroleum) | 64742-65-0 | 1 - 5 Trade Secret * |
| Glycerin | 56-81-5 | < 2 Trade Secret * |
| Oleic Acid | 112-80-1 | < 2 Trade Secret * |
| Illite | 12173-60-3 | 0.5 - 1.5 Trade Secret * |
| Hydrotreated Light Paraffinic Distillates (Petroleum) | 64742-55-8 | < 1 Trade Secret * |
| Poly(Oxyethylene)Sorbitan Monostearate | 9005-67-8 | 0.1 - 1 Trade Secret * |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | 64742-56-9 | < 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

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**

Non-combustible. Use a fire fighting agent suitable for surrounding fire.

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. 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. 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**

Keep out of reach of children. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat.

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 |
|---|------------|--------|---|---|
| Aluminum, insoluble compounds | 1318-74-7 | ACGIH | TWA(respirable fraction):1 mg/m3 | A4: Not class. as human carcin |
| Glycerin | 56-81-5 | OSHA | TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3 | |
| Kerosine (petroleum) | 64742-47-8 | ACGIH | TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3 | A3: Confirmed animal carcin., SKIN |
| Mineral oils (untreated and mildly treated) | 64742-55-8 | ACGIH | Limit value not established: | A2: Suspected human carcin., Cntrl all exposr-low as possib |
| Paraffin oil | 64742-55-8 | OSHA | TWA(as mist):5 mg/m3 | |
| Mineral oils (untreated and mildly treated) | 64742-56-9 | ACGIH | Limit value not established: | A2: Suspected human carcin., Cntrl all exposr-low as possib |
| MINERAL OILS, HIGHLY-REFINED OILS | 64742-56-9 | ACGIH | TWA(inhalable fraction):5 mg/m3 | A4: Not class. as human carcin |
| Paraffin oil | 64742-56-9 | OSHA | TWA(as mist):5 mg/m3 | |
| Paraffin oil | 64742-65-0 | OSHA | TWA(as mist):5 mg/m3 | |
| PETROLEUM DISTILLATES | 64742-65-0 | OSHA | TWA:2000 mg/m3(500 ppm) | |
| DUST, INERT OR NUISANCE | 7631-86-9 | OSHA | TWA(as total dust):15 mg/m3;TWA(as total dust):50 millions of particles/cu. ft.(15 mg/m3);TWA(respirable fraction):5 mg/m3;TWA(respirable fraction):15 millions of particles/cu. ft.(5 mg/m3) | |
| SILICA, AMORPHOUS | 7631-86-9 | OSHA | TWA:20 millions of particles/cu. ft.;TWA concentration:0.8 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:

Safety Glasses with side shields

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

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used: Nitrile Rubber

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

| | |
|--|---|
| Appearance | |
| Physical state | Liquid |
| Color | Tan |
| Odor | Slight Solvent |
| Odor threshold | <i>No Data Available</i> |
| pH | 7.5 - 8.5 |
| Melting point | <i>Not Applicable</i> |
| Boiling Point | 98.3 °C |
| Flash Point | No flash point |
| Evaporation rate | <i>No Data Available</i> |
| Flammability (solid, gas) | 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> |
| Vapor Density | <i>No Data Available</i> |
| Density | 1.2 g/ml |
| Specific Gravity | 1.2 [<i>Ref Std: WATER=1</i>] |
| Solubility in Water | Negligible |
| 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 | 6,000 - 18,000 centipoise [<i>Test Method: Brookfield</i>] [<i>Details: #6 Spindle</i>] |
| Hazardous Air Pollutants | 0.00002 lb HAPS/lb solids [<i>Test Method: Calculated</i>] |

| | |
|---|--|
| Molecular weight | <i>No Data Available</i> |
| Volatile Organic Compounds | 213 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1] |
| Volatile Organic Compounds | 15.2 % weight [<i>Test Method</i> :calculated per CARB title 2] |
| Percent volatile | 58.3 % weight |
| VOC Less H2O & Exempt Solvents | 415 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1] |

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat

Sparks and/or flames

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|--------------------------|
| Carbon monoxide | At Elevated Temperatures |
| Carbon dioxide | At Elevated Temperatures |

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:

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

Eye Contact:

Dust created by cutting, grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy 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:

Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

Carcinogenicity:

| Ingredient | CAS No. | Class Description | Regulation |
|---|------------|--------------------------------|---|
| Mineral Oils (Untreated and Mildly Treated) | 64742-55-8 | Known To Be Human Carcinogen. | National Toxicology Program Carcinogens |
| Mineral Oils (Untreated and Mildly Treated) | 64742-56-9 | Known To Be Human Carcinogen. | National Toxicology Program Carcinogens |
| Mineral oils, untreated or mildly treated | 64742-55-8 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Mineral oils, untreated or mildly treated | 64742-56-9 | Grp. 1: Carcinogenic to humans | 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 | Inhalation-Vapor(4 hr) | | No data available; calculated ATE >50 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Silica | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Silica | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 0.691 mg/l |
| Silica | Ingestion | Rat | LD50 > 5,110 mg/kg |
| Hydrotreated Light Petroleum Distillates | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Hydrotreated Light Petroleum Distillates | Inhalation-Vapor (4 hours) | Rat | LC50 > 12 mg/l |
| Hydrotreated Light Petroleum Distillates | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Kaolinite | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Kaolinite | Ingestion | Human | LD50 > 15,000 mg/kg |
| Solvent Dewaxed Heavy Paraffinic Distillate (Petroleum) | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Solvent Dewaxed Heavy Paraffinic Distillate (Petroleum) | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 4 mg/l |
| Solvent Dewaxed Heavy Paraffinic Distillate (Petroleum) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Oleic Acid | Dermal | Guinea pig | LD50 > 3,000 mg/kg |
| Oleic Acid | Ingestion | Rat | LD50 57,000 mg/kg |
| Glycerin | Dermal | Rabbit | LD50 estimated to be > 5,000 mg/kg |
| Glycerin | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Poly(Oxyethylene)Sorbitan Monostearate | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Poly(Oxyethylene)Sorbitan Monostearate | Ingestion | Rat | LD50 > 62,640 mg/kg |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 4 mg/l |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | Ingestion | Rat | LD50 > 5,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--|---------|---------------------------|
| Silica | Rabbit | No significant irritation |
| Hydrotreated Light Petroleum Distillates | Rabbit | Mild irritant |

| | | |
|--|-----------------------|---------------------------|
| Kaolinite | Professional judgment | No significant irritation |
| Oleic Acid | Rabbit | Minimal irritation |
| Glycerin | Rabbit | No significant irritation |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | Rabbit | Minimal irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|-----------------------|---------------------------|
| Silica | Rabbit | No significant irritation |
| Hydrotreated Light Petroleum Distillates | Rabbit | Mild irritant |
| Kaolinite | Professional judgment | No significant irritation |
| Oleic Acid | Rabbit | Mild irritant |
| Glycerin | Rabbit | No significant irritation |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | Rabbit | No significant irritation |

Skin Sensitization

| Name | Species | Value |
|--|------------------|----------------|
| Silica | Human and animal | Not classified |
| Hydrotreated Light Petroleum Distillates | Guinea pig | Not classified |
| Glycerin | Guinea pig | Not classified |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | Guinea pig | Not classified |

Respiratory Sensitization

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

Germ Cell Mutagenicity

| Name | Route | Value |
|--|----------|--|
| Silica | In Vitro | Not mutagenic |
| Oleic Acid | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | In vivo | Not mutagenic |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name | Route | Species | Value |
|--|---------------|-------------------------|--|
| Silica | Not Specified | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Kaolinite | Inhalation | Multiple animal species | Not carcinogenic |
| Oleic Acid | Dermal | Mouse | Not carcinogenic |
| Oleic Acid | Ingestion | Rat | Not carcinogenic |
| Oleic Acid | Not Specified | Multiple animal species | Not carcinogenic |
| Glycerin | Ingestion | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |

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

| Name | Route | Value | Species | Test Result | Exposure Duration |
|----------|-----------|--|---------|-----------------------|----------------------|
| Silica | Ingestion | Not classified for female reproduction | Rat | NOAEL 509 mg/kg/day | 1 generation |
| Silica | Ingestion | Not classified for male reproduction | Rat | NOAEL 497 mg/kg/day | 1 generation |
| Silica | Ingestion | Not classified for development | Rat | NOAEL 1,350 mg/kg/day | during organogenesis |
| Glycerin | Ingestion | Not classified for female reproduction | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Glycerin | Ingestion | Not classified for male reproduction | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Glycerin | Ingestion | Not classified for development | Rat | NOAEL 2,000 mg/kg/day | 2 generation |

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 |
|--|------------|---|--|---------|------------------------|-----------------------|
| Silica | Inhalation | respiratory system silicosis | Not classified | Human | NOAEL Not available | occupational exposure |
| Kaolinite | Inhalation | pneumoconiosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL NA | occupational exposure |
| Kaolinite | Inhalation | pulmonary fibrosis | Not classified | Rat | NOAEL Not available | |
| Oleic Acid | Ingestion | liver immune system | Not classified | Rat | NOAEL 2,250 mg/kg/day | 108 weeks |
| Oleic Acid | Ingestion | hematopoietic system | Not classified | Rat | NOAEL 2,550 mg/kg/day | 108 weeks |
| Glycerin | Inhalation | respiratory system heart liver kidney and/or bladder | Not classified | Rat | NOAEL 3.91 mg/l | 14 days |
| Glycerin | Ingestion | endocrine system hematopoietic system liver kidney and/or bladder | Not classified | Rat | NOAEL 10,000 mg/kg/day | 2 years |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | Dermal | hematopoietic system liver kidney and/or bladder | Not classified | Rabbit | NOAEL 5,000 mg/kg/day | 3 weeks |

Aspiration Hazard

| Name | Value |
|--|-------------------|
| Hydrotreated Light Petroleum Distillates | Aspiration hazard |
| Solvent Dewaxed Light Paraffinic Distillates (Petroleum) | Aspiration hazard |

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

SECTION 12: Ecological information

Ecotoxicological information

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

Chemical fate information

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

SECTION 13: Disposal considerations

13.1. Disposal methods

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

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.

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 |
| Specific target organ toxicity (single or repeated exposure) |

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

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:** 1 **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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| Issue Date: | 02/03/22 | Supersedes Date: | 06/14/21 |

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