



Safety Data Sheet

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This safety data sheet (SDS) is provided as a courtesy in response to a customer request. This product is not regulated under, and a SDS is not required for this product by the Malaysia Occupational Safety and Health (Chemical Classification, Labelling and Safety Data Sheets) Regulations 2013 because, when used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may present potential health and safety hazards.

| | | | |
|------------------------|------------|-------------------------|---------------|
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| Issue Date: | 15/08/2019 | Supersedes Date: | Initial Issue |

This Safety Data Sheet has been prepared in accordance with the Malaysia Occupational Safety and Health (Chemical Classification, Labelling and Safety Data Sheets) Regulations 2013.

SECTION 1: Identification

1.1. Product identifier

Black EPDM Tubing (on plastic core) ==>(LH-A100-1762-5)

Product Identification Numbers

| | | | | |
|----------------|----------------|----------------|----------------|----------------|
| 77-8002-0725-8 | 77-8002-0852-0 | 77-8002-0853-8 | 77-8002-0854-6 | 77-8002-0935-3 |
| 77-8002-0938-7 | 77-8002-0958-5 | 77-8002-0975-9 | 77-8002-0980-9 | 78-8007-6045-2 |
| 78-8007-6047-8 | 78-8009-3050-1 | 78-8009-3058-4 | 78-8010-9082-6 | 78-8010-9389-5 |
| 78-8010-9391-1 | 78-8015-9523-8 | 78-8018-9752-7 | 78-8018-9757-6 | 78-8018-9941-6 |
| 78-8018-9942-4 | 78-8018-9958-0 | 78-8018-9998-6 | 78-8025-2758-6 | 78-8025-2784-2 |
| 78-8025-2797-4 | 78-8025-2800-6 | 78-8025-2835-2 | 78-8025-2848-5 | 78-8025-2861-8 |
| 78-8025-3012-7 | 78-8025-3013-5 | 78-8025-3238-8 | 78-8025-3249-5 | 78-8025-3250-3 |
| 78-8025-3256-0 | 78-8025-3386-5 | 78-8025-3449-1 | 78-8025-3450-9 | 78-8041-6826-4 |
| 78-8041-6904-9 | 78-8041-6905-6 | 78-8041-6907-2 | 78-8041-6908-0 | 78-8041-6909-8 |
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| 78-8041-7187-0 | 78-8041-7238-1 | 78-8041-7250-6 | 78-8046-9188-5 | 78-8046-9238-8 |
| 78-8047-0064-5 | 78-8047-0067-8 | 78-8047-0109-8 | 78-8047-0110-6 | 78-8047-0111-4 |
| 78-8047-0112-2 | 78-8047-0113-0 | 78-8047-0114-8 | 78-8047-0115-5 | 78-8047-0116-3 |
| 78-8047-0216-1 | 78-8047-0217-9 | 78-8047-0239-3 | 78-8050-9034-3 | 78-8050-9052-5 |
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| 78-8050-9813-0 | 78-8050-9853-6 | 78-8050-9958-3 | 78-8050-9959-1 | 78-8055-6638-3 |
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| 78-8061-7902-0 | 78-8061-8025-9 | 78-8061-8142-2 | 78-8064-2031-7 | 78-8064-2033-3 |
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| 78-8092-1242-2 | 78-8092-1356-0 | 78-8092-1415-4 | 78-8092-1418-8 | 78-8092-1424-6 |
| 78-8092-1428-7 | 78-8092-1545-8 | 78-8092-2627-3 | 78-8092-2628-1 | 78-8096-4221-4 |

Black EPDM Tubing (on plastic core) ==>(LH-A100-1762-5)

| | | | | |
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| 78-8096-4323-8 | 78-8096-4324-6 | 78-8096-4348-5 | 78-8096-4349-3 | 78-8096-4350-1 |
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| 78-8114-1219-2 | 78-8114-1220-0 | 78-8114-1221-8 | 78-8114-1222-6 | 78-8114-1223-4 |
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| 78-8141-5164-9 | 78-8141-5166-4 | 78-8141-5219-1 | 78-8141-5220-9 | 78-8141-5221-7 |

Black EPDM Tubing (on plastic core) ==>(LH-A100-1762-5)

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| 78-8141-5222-5 | 78-8141-5227-4 | 78-8141-5228-2 | 78-8141-5240-7 | 78-8141-5365-2 |
| 78-8141-5443-7 | 78-8141-5445-2 | 78-8141-5447-8 | 78-8141-5449-4 | 78-8141-5764-6 |
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| 78-8141-6012-9 | 78-8141-6013-7 | 78-8141-6033-5 | 78-8141-6034-3 | 78-8141-6037-6 |
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| 80-6112-6562-2 | 80-6114-3151-3 | 80-6114-3152-1 | 80-6114-3153-9 | 80-6114-3574-6 |
| 80-6114-3868-2 | 80-6114-3869-0 | 80-6114-6855-6 | 80-6114-6856-4 | 80-6114-7179-0 |
| 80-6114-7206-1 | 80-6116-0407-7 | 80-6116-0414-3 | 80-6116-0415-0 | 80-6116-0432-5 |
| 80-6116-0561-1 | 80-6116-0673-4 | 80-6116-1095-9 | 80-6116-1096-7 | 80-6116-1113-0 |
| 80-6116-1256-7 | 80-6116-1267-4 | 80-6116-1499-3 | 80-6116-1725-1 | KE-2320-8242-7 |
| TE-1000-5564-5 | UU-0037-1998-4 | | | |

1.2. Recommended use and restrictions on use

Recommended use
Electrical

Black EPDM Tubing (on plastic core) ==>(LH-A100-1762-5)

1.3. Supplier's details

ADDRESS: 3M Malaysia Sdn. Bhd., Level 8, Block F, Oasis Square, No.2, Jalan PJU 1A/7A, Ara Damansara 47301
Petaling, Jaya, Selangor
Telephone: 03-7884 2888
E Mail: 3mmyehsr@mmm.com
Website: www.3M.com.my

1.4. Emergency telephone number

+60 03-7884 2888

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Not classified as hazardous according to Occupational Safety and Health (Chemical Classification, Labelling and Safety Data Sheets) Regulations 2013.

2.2. Label elements

Signal word

Not applicable.

Symbols

Not applicable.

Pictograms

Not applicable.

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|-----------------|--------------|---------|
| Black EPDM tube | Trade Secret | 100 |

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

No need for first aid is anticipated.

Skin Contact:

No need for first aid is anticipated.

Eye Contact:

No need for first aid is anticipated.

If Swallowed:

No need for first aid is anticipated.

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.

Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u> |
|--------------------|-------------------|
| Hydrocarbons | During Combustion |
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |
| Oxides of Nitrogen | During Combustion |
| Oxides of Sulfur | 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

Not applicable.

6.2. Environmental precautions

Not applicable.

6.3. Methods and material for containment and cleaning up

Not applicable. Seal the container.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

7.2. Conditions for safe storage including any incompatibilities

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

8.2. Exposure controls

8.2.1. Engineering controls

No engineering controls required.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Eye protection not required.

Skin/hand protection

No chemical protective gloves are required.

Respiratory protection

Respiratory protection is not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--------------------------|
| Physical state | Solid |
| Color | Black |
| Odor | Rubber |
| Odor threshold | <i>Not Applicable</i> |
| pH | <i>Not Applicable</i> |
| Melting point/Freezing point | <i>No Data Available</i> |
| Boiling point/Initial boiling point/Boiling range | <i>Not Applicable</i> |
| Flash Point | No flash point |
| Evaporation rate | <i>Not Applicable</i> |
| Flammability (solid, gas) | Not Classified |
| Flammable Limits(LEL) | <i>Not Applicable</i> |
| Flammable Limits(UEL) | <i>Not Applicable</i> |
| Vapor Density | <i>Not Applicable</i> |
| Density | <i>No Data Available</i> |
| Relative Density | <i>No Data Available</i> |
| Water solubility | <i>Not Applicable</i> |
| Solubility- non-water | <i>Not Applicable</i> |
| Partition coefficient: n-octanol/ water | <i>Not Applicable</i> |
| Autoignition temperature | <i>Not Applicable</i> |
| Decomposition temperature | <i>No Data Available</i> |
| Viscosity | <i>Not Applicable</i> |
| Molecular weight | <i>Not Applicable</i> |

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Not determined

10.6. Hazardous decomposition products

Substance

Condition

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

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:

No health effects are expected.

Skin Contact:

No health effects are expected.

Eye Contact:

No health effects are expected.

Ingestion:

No health effects are expected.

Additional Information:

This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

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 |
| Black EPDM tube | Dermal | | LD50 estimated to be > 5,000 mg/kg |

Black EPDM Tubing (on plastic core) ==>(LH-A100-1762-5)

| | | |
|-----------------|-----------|--|
| Black EPDM tube | Ingestion | LD50 estimated to be 2,000 - 5,000 mg/kg |
|-----------------|-----------|--|

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|-----------------|------------------------|---------------------------|
| Black EPDM tube | Professional judgement | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|-----------------|------------------------|---------------------------|
| Black EPDM tube | Professional judgement | No significant irritation |

Skin Sensitization

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

Respiratory Sensitization

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

Germ Cell Mutagenicity

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

Carcinogenicity

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

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

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

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

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

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

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labeling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

Black EPDM Tubing (on plastic core) ==>(LH-A100-1762-5)**12.1. Toxicity**

No product test data available

| Material | Cas # | Organism | Type | Exposure | Test Endpoint | Test Result |
|-----------------|--------------|----------|---|----------|---------------|-------------|
| Black EPDM tube | Trade Secret | | Data not available or insufficient for classification | | | |

12.2. Persistence and degradability

| Material | CAS No. | Test Type | Duration | Study Type | Test Result | Protocol |
|-----------------|--------------|----------------------------------|----------|------------|-------------|----------|
| Black EPDM tube | Trade Secret | Data not available- insufficient | | | N/A | |

12.3. Bioaccumulative potential

| Material | CAS No. | Test Type | Duration | Study Type | Test Result | Protocol |
|-----------------|--------------|---|----------|------------|-------------|----------|
| Black EPDM tube | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information available

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

According to the Environmental Quality (Scheduled Wastes) Regulations 2005, scheduled waste has to be sent to a prescribed premise for recycling, treatment or disposal. Please approach Kualiti Alam for proper schedule waste classification and disposal.

SECTION 14: Transport Information

Not hazardous for transportation.

Marine Transport (IMDG)

UN Number:None assigned.

Proper Shipping Name:None assigned.

Technical Name:None assigned.

Hazard Class/Division:None assigned.

Subsidiary Risk:None assigned.

Packing Group:None assigned.

Limited Quantity:None assigned.

Marine Pollutant: None assigned.

Black EPDM Tubing (on plastic core) ==>(LH-A100-1762-5)

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

None assigned.

Air Transport (IATA)

UN Number:None assigned.

Proper Shipping Name:None assigned.

Technical Name:None assigned.

Hazard Class/Division:None assigned.

Subsidiary Risk:None assigned.

Packing Group:None assigned.

Limited Quantity:None assigned.

Marine Pollutant: None assigned.

Marine Pollutant Technical Name: None assigned.

Other Dangerous Goods Descriptions:

None assigned.

Transportation classifications are provided as a customer service. As for shipping, YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. 3M's transportation classifications are based on product formulation, packaging, 3M policies and 3M's understanding of applicable current regulations. 3M does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling or marking requirements. The above information is only for reference. If you are shipping by air or ocean, YOU are advised to check & meet applicable regulatory requirements.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global inventory status

Contact 3M for more information.

SECTION 16: Other information

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

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