



## Material Safety Data Sheet

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This material safety data sheet (MSDS) is provided as a courtesy in response to a customer request. This product is not regulated under, and a MSDS is not required for this product by the OSHA Hazard Communication Standard (29 CFR 1910.1200) 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.

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Windo-Weld(TM) Ribbon Sealer PN 8610,8611,8612,8614,8620,8621,8622,8625  
**MANUFACTURER:** 3M  
**DIVISION:** Automotive Aftermarket  
  
**ADDRESS:** 3M Center  
 St. Paul, MN 55144-1000

**EMERGENCY PHONE:** 1-800-364-3577 or (651) 737-6501 (24 hours)

**Issue Date:** 11/13/09  
**Supersedes Date:** 10/02/06

**Document Group:** 19-9142-1

**Product Use:**

Intended Use: Automotive  
 Specific Use: Automotive Sealer

### SECTION 2: INGREDIENTS

| <b>Ingredient</b>   | <b>C.A.S. No.</b> | <b>% by Wt</b> |
|---|-------------------|----------------|
| POLYBUTYLENE  | 9003-29-6         | 15 - 40        |
| CARBON BLACK  | 1333-86-4         | 10 - 30        |
| KAOLIN  | 1332-58-7         | 10 - 30        |
| ISOBUTYLENE-ISOPRENE POLYMER  | 9010-85-9         | 7 - 13         |
| TETRAKIS[METHYLENE(3,5-DI-TERT-BUTYL-4-HYDROXYHYDROCINNAMATE)]METHANE | 6683-19-8         | 1 - 5          |
| SOLVENT-REFINED HEAVY PARAFFINIC PETROLEUM DISTILLATES                | 64741-88-4        | 1 - 5          |
| TALC  | 14807-96-6        | 1 - 5          |
| GLYCEROL ESTER OF HYDROGENATED ROSIN                                  | 65997-13-9        | 0.5 - 1.5      |
| QUARTZ SILICA   | 14808-60-7        | 0.1 - 1.0      |

## SECTION 3: HAZARDS IDENTIFICATION

### 3.1 EMERGENCY OVERVIEW

**Odor, Color, Grade:** Rubber Odor, Black Solid

**General Physical Form:** Solid

**Immediate health, physical, and environmental hazards:** The environmental properties of this product present a low environmental hazard. This product, when used under reasonable conditions and in accordance with the 3M 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.

### 3.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**

No health effects are expected.

**Skin Contact:**

No health effects are expected.

**Inhalation:**

No health effects are expected.

**Ingestion:**

No health effects are expected.

### 3.3 POTENTIAL ENVIRONMENTAL EFFECTS

This substance does not leach metals or other RCRA (Resource Conservation and Recovery Act) listed TCLP (Toxic Characteristic Leaching Procedure) hazardous substances at concentrations that would make the product a hazardous waste.

## SECTION 4: FIRST AID MEASURES

### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** No need for first aid is anticipated.

**Skin Contact:** No need for first aid is anticipated.

**Inhalation:** No need for first aid is anticipated.

**If Swallowed:** No need for first aid is anticipated.

## SECTION 5: FIRE FIGHTING MEASURES

## 5.1 FLAMMABLE PROPERTIES

|                          |                       |
|--------------------------|-----------------------|
| Autoignition temperature | <i>Not Applicable</i> |
| Flash Point              | <i>Not Applicable</i> |
| Flammable Limits - LEL   | <i>Not Applicable</i> |
| Flammable Limits - UEL   | <i>Not Applicable</i> |

## 5.2 EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

## 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Not applicable. No unusual fire or explosion hazards are anticipated.

**Note:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Accidental Release Measures:

Not applicable.

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

Keep out of the reach of children. 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. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

### 7.2 STORAGE

Not applicable.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Not applicable.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Not applicable.

**8.2.2 Skin Protection**

Not applicable.

**8.2.3 Respiratory Protection**

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

**8.2.4 Prevention of Swallowing**

Not applicable.

**8.3 EXPOSURE GUIDELINES**

| <u>Ingredient</u>   | <u>Authority</u> | <u>Type</u>             | <u>Limit</u> | <u>Additional Information</u> |
|---|------------------|-------------------------|--------------|-------------------------------|
| TETRAKIS[METHYLENE(3,5-DI-TERT-BUTYL-4-HYDROXYHYDROCINNAMATE)]METHANE | CMRG             | TWA                     | 10 mg/m3     |                               |
| CARBON BLACK  | ACGIH            | TWA                     | 3.5 mg/m3    | Table A4                      |
| CARBON BLACK  | CMRG             | TWA                     | 0.5 mg/m3    |                               |
| CARBON BLACK  | OSHA             | TWA                     | 3.5 mg/m3    | Table Z-1                     |
| KAOLIN  | ACGIH            | TWA, respirable         | 2 mg/m3      | Table A4                      |
| KAOLIN  | OSHA             | TWA, respirable         | 5 mg/m3      | Table Z-1                     |
| KAOLIN  | OSHA             | TWA, Vacated, as dust   | 10 mg/m3     |                               |
| KAOLIN  | OSHA             | TWA, as total dust      | 15 mg/m3     | Table Z-1                     |
| QUARTZ SILICA   | ACGIH            | TWA, respirable         | 0.025 mg/m3  | Table A2                      |
| QUARTZ SILICA   | OSHA             | TWA, respirable         | 0.1 mg/m3    | Table Z-1A                    |
| SILICATES (LESS THAN 1% CRYSTALLINE SILICA) TALC CONTAINING ASBESTOS  | OSHA             | TWA, as total dust      | 0.1 fiber/cc | Standard Appendix             |
| SILICATES (LESS THAN 1% CRYSTALLINE SILICA) TALC CONTAINING ASBESTOS  | OSHA             | STEL, as total dust     | 1 fiber/cc   | Standard Appendix             |
| SOLVENT-REFINED HEAVY PARAFFINIC PETROLEUM DISTILLATES                | CMRG             | TWA                     | 5 mg/m3      |                               |
| TALC  | ACGIH            | TWA, respirable         | 2 mg/m3      | Table A4                      |
| TALC  | CMRG             | TWA, as respirable dust | 0.5 mg/m3    |                               |
| TALC  | OSHA             | TWA, respirable         | 2 mg/m3      | Table Z-1A                    |

VAC Vacated PEL: Vacated Permissible Exposure Limits [PEL] are enforced as the OSHA PEL in some states. Check with your local regulatory agency.

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Guideline
- OSHA: Occupational Safety and Health Administration
- AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

|                                       |                          |
|---------------------------------------|--------------------------|
| <b>Odor, Color, Grade:</b>            | Rubber Odor, Black Solid |
| <b>General Physical Form:</b>         | Solid                    |
| <b>Autoignition temperature</b>       | <i>Not Applicable</i>    |
| <b>Flash Point</b>                    | <i>Not Applicable</i>    |
| <b>Flammable Limits - LEL</b>         | <i>Not Applicable</i>    |
| <b>Flammable Limits - UEL</b>         | <i>Not Applicable</i>    |
| <b>Boiling point</b>                  | <i>Not Applicable</i>    |
| <b>Density</b>                        | 11.1 lb/gal              |
| <b>Vapor Density</b>                  | <i>Not Applicable</i>    |
| <b>Vapor Density</b>                  | <i>Not Applicable</i>    |
| <b>Vapor Pressure</b>                 | <i>Not Applicable</i>    |
| <br>                                  |                          |
| <b>Specific Gravity</b>               | 1.13                     |
| <b>pH</b>                             | <i>Not Applicable</i>    |
| <b>Melting point</b>                  | <i>Not Applicable</i>    |
| <br>                                  |                          |
| <b>Solubility in Water</b>            | Nil                      |
| <b>Evaporation rate</b>               | <i>Not Applicable</i>    |
| <b>Kow - Oct/Water partition coef</b> | <i>No Data Available</i> |
| <b>Percent volatile</b>               | <i>Not Applicable</i>    |
| <b>Viscosity</b>                      | <i>Not Applicable</i>    |

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

**Materials and Conditions to Avoid:**

**10.1 Conditions to avoid**

None known

**10.2 Materials to avoid**

None known

**Hazardous Polymerization:** Hazardous polymerization will not occur.

### Hazardous Decomposition or By-Products

**Substance**

Carbon monoxide  
Carbon dioxide

**Condition**

Oxidation, heat or reaction  
Oxidation, heat or reaction

**Hazardous Decomposition:** 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

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

## SECTION 12: ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

Not determined. Not applicable.

### CHEMICAL FATE INFORMATION

Not determined. Not applicable.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Reclaim if feasible. If product can't be reclaimed, dispose of waste product in a sanitary landfill. Alternatively, incinerate the waste product in an industrial, commercial, or municipal incinerator. As a disposal alternative, incinerate in an industrial or commercial facility.

Since regulations vary, consult applicable regulations or authorities before disposal.

## SECTION 14: TRANSPORT INFORMATION

### ID Number(s):

62-5313-6119-4, 62-5334-6006-9, 62-5334-6007-7, 62-5334-6008-5, 62-5334-6009-3, 62-5334-6110-9, 62-5334-6111-7, 62-5334-6112-5

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

Contact 3M for more information.

### 311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - No Delayed Hazard - No

### STATE REGULATIONS

Contact 3M for more information.

## **CHEMICAL INVENTORIES**

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

Contact 3M for more information.

## **INTERNATIONAL REGULATIONS**

Contact 3M for more information.

**This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

## **SECTION 16: OTHER INFORMATION**

### **NFPA Hazard Classification**

**Health: 0 Flammability: 1 Reactivity: 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.

### **Revision Changes:**

Section 1: Product use information was modified.

Copyright was modified.

Section 9: Property description for optional properties was modified.

Section 14: ID Number Heading Template 1 was added.

Section 14: ID Number(s) Template 1 was added.

Section 2: Ingredient table was added.

Section 8: Exposure guidelines ingredient information was added.

Section 8: Exposure guidelines legend was added.

Section 8: Exposure guidelines data source legend was added.

Section 10.1 Conditions to avoid was added.

Section 10.2 Materials to avoid was added.

Section 6: Release measures information was added.

Section 10: Materials to avoid physical property was added.

Section 10: Conditions to avoid physical property was added.

Section 6: Release measures information was deleted.

Section 10: Materials and conditions to avoid physical property was deleted.

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