



## Material Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M™ Bondo(r) Glazing & Spot Putty 907, 907C, 907ES, 907W, 937

**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:** 09/21/09

**Supersedes Date:** 08/05/09

**Document Group:** 24-2173-3

**Product Use:**

Intended Use: Automotive  
Specific Use: Filler for automotive imperfections and scratches

### SECTION 2: INGREDIENTS

| <u>Ingredient</u>          | <u>C.A.S. No.</u> | <u>% by Wt</u> |
|----------------------------|-------------------|----------------|
| TALC                       | 14807-96-6        | 30 - 60        |
| MAGNESIUM CARBONATE        | 546-93-0          | 10 - 30        |
| XYLENE                     | 1330-20-7         | 1 - 12         |
| NITROCELLULOSE             | 9004-70-0         | 5 - 10         |
| LIMESTONE                  | 1317-65-3         | 1 - 5          |
| ETHYLBENZENE               | 100-41-4          | 1 - 5          |
| ACETONE                    | 67-64-1           | 1 - 5          |
| 2-BUTOXYETHANOL            | 111-76-2          | 1 - 5          |
| ALKYD RESIN                | Trade Secret      | 1 - 5          |
| 1-METHOXY-2-PROPYL ACETATE | 108-65-6          | 1 - 5          |
| ISOPROPYL ALCOHOL          | 67-63-0           | 1 - 5          |
| IRON OXIDE                 | 1332-37-2         | 1 - 5          |
| METHYL ISOBUTYL KETONE     | 108-10-1          | 1 - 5          |
| DIBUTYL PHTHALATE          | 84-74-2           | < 0.5          |

### SECTION 3: HAZARDS IDENTIFICATION

### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Paste

**Odor, Color, Grade:** Solvent Odor, Green Smooth Paste

**General Physical Form:** Liquid

**Immediate health, physical, and environmental hazards:** Flammable liquid and vapor. Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back. May cause target organ effects. Contains a chemical or chemicals which can cause birth defects or other reproductive harm. Contains a chemical or chemicals which can cause cancer.

### 3.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Skin Contact:**

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

**Inhalation:**

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Prolonged or repeated exposure may cause:

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

May be absorbed following inhalation and cause target organ effects.

**Ingestion:**

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

May be absorbed following ingestion and cause target organ effects.

**Target Organ Effects:**

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Blood Effects: Signs/symptoms may include generalized weakness and fatigue, skin pallor, changes in blood clotting time, internal bleeding, and/or hemoglobinemia.

Auditory Effects: Signs/symptoms may include hearing impairment, balance dysfunction and ringing in the ears.

Prolonged or repeated exposure may cause:

Neurological Effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or

numbness of the extremities, weakness, tremors, and/or changes in blood pressure and heart rate.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

Liver Effects: Signs/symptoms may include loss of appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

| <u>Ingredient</u> | <u>C.A.S. No.</u> | <u>Class Description</u> | <u>Regulation</u>                           |
|-------------------|-------------------|--------------------------|---|
| ETHYLBENZENE      | 100-41-4          | Group 2B                 | International Agency for Research on Cancer |

**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:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**Skin Contact:** Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

**SECTION 5: FIRE FIGHTING MEASURES**

**5.1 FLAMMABLE PROPERTIES**

|  |  |
|--|--|
| <b>Autoignition temperature</b>          | <i>No Data Available</i>                 |
| <b>Flash Point</b>                       | 63 °F [ <i>Test Method: Closed Cup</i> ] |
| <b>Flammable Limits - LEL</b>            | 1.00 %                                   |
| <b>Flammable Limits - UEL</b>            | 13.00 %                                  |
| <b>OSHA Flammability Classification:</b> | Class IB Flammable Liquid                |

**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:** Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Water may be used to blanket the fire. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Flammable liquid and vapor. Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

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

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Accidental Release Measures:

Place in a metal container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible. Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Call 3M-HELPS line (1-800-364-3577) for more information on handling and managing the spill. Contain spill. Cover spill area with a fire-extinguishing foam. An aqueous film forming foam (AFFF) is recommended. Collect as much of the spilled material as possible using non-sparking tools. 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 MSDS.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Contents may be under pressure, open carefully. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Ground containers securely when transferring contents. Wear low static or properly grounded shoes. No smoking while handling this material. Avoid breathing of vapors, mists or spray. Avoid static discharge. Avoid eye contact with vapors, mists, or spray. Keep out of the reach of children. Avoid breathing of dust created by cutting, sanding, grinding or machining. Avoid contact with oxidizing agents. Avoid eye contact with dust or airborne particles. 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. Avoid skin contact.

### 7.2 STORAGE

Store away from acids. Store away from heat. Store out of direct sunlight. Keep container in well-ventilated area. Keep container tightly closed. Store away from oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Use in an enclosed process area is recommended. Provide appropriate local exhaust for cutting, grinding, sanding or machining. If exhaust ventilation is not available, use appropriate respiratory protection. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment.

## 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

### 8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray.

During grinding, scraping, sanding:

Avoid eye contact.

The following eye protection(s) are recommended: Safety Glasses with side shields, Indirect Vented Goggles.

### 8.2.2 Skin Protection

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Gloves made from the following material(s) are recommended: Polyvinyl Alcohol (PVA), Polyethylene/Ethylene Vinyl Alcohol.

### 8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. Avoid breathing of dust created by cutting, sanding, grinding or machining.

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P95 particulate prefilters.

Consult the current 3M Respiratory Selection Guide for additional information or call 1-800-243-4630 for 3M technical assistance.

### 8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Not applicable. Do not ingest.

## 8.3 EXPOSURE GUIDELINES

| <u>Ingredient</u>          | <u>Authority</u> | <u>Type</u>        | <u>Limit</u> | <u>Additional Information</u> |
|----------------------------|------------------|--------------------|--------------|-------------------------------|
| 1-METHOXY-2-PROPYL ACETATE | AIHA             | TWA                | 50 ppm       |                               |
| 1-METHOXY-2-PROPYL ACETATE | CMRG             | TWA                | 10 mg/m3     |                               |
| 1-METHOXY-2-PROPYL ACETATE | CMRG             | STEL               | 90 ppm       |                               |
| 2-BUTOXYETHANOL            | ACGIH            | TWA                | 20 ppm       | Table A3                      |
| 2-BUTOXYETHANOL            | OSHA             | TWA, Vacated       | 25 ppm       | Skin Notation*                |
| 2-BUTOXYETHANOL            | OSHA             | TWA                | 50 ppm       | Skin Notation*; Table Z-1     |
| ACETONE                    | ACGIH            | TWA                | 500 ppm      | Table A4                      |
| ACETONE                    | ACGIH            | STEL               | 750 ppm      | Table A4                      |
| ACETONE                    | OSHA             | TWA, Vacated       | 750 ppm      |                               |
| ACETONE                    | OSHA             | TWA                | 1000 ppm     | Table Z-1                     |
| ACETONE                    | OSHA             | STEL, Vacated      | 1000 ppm     |                               |
| DIBUTYL PHTHALATE          | ACGIH            | TWA                | 5 mg/m3      |                               |
| DIBUTYL PHTHALATE          | OSHA             | TWA                | 5 mg/m3      | Table Z-1                     |
| ETHYLBENZENE               | ACGIH            | TWA                | 100 ppm      | Table A3                      |
| ETHYLBENZENE               | ACGIH            | STEL               | 125 ppm      | Table A3                      |
| ETHYLBENZENE               | CMRG             | TWA                | 25 ppm       |                               |
| ETHYLBENZENE               | CMRG             | STEL               | 75 ppm       |                               |
| ETHYLBENZENE               | OSHA             | TWA                | 100 ppm      | Table Z-1A                    |
| ETHYLBENZENE               | OSHA             | STEL               | 125 ppm      | Table Z-1A                    |
| ISOPROPYL ALCOHOL          | ACGIH            | TWA                | 200 ppm      | Table A4                      |
| ISOPROPYL ALCOHOL          | ACGIH            | STEL               | 400 ppm      | Table A4                      |
| ISOPROPYL ALCOHOL          | OSHA             | TWA                | 400 ppm      | Table Z-1A                    |
| ISOPROPYL ALCOHOL          | OSHA             | STEL               | 500 ppm      | Table Z-1A                    |
| LIMESTONE                  | ACGIH            | TWA                | 10 mg/m3     |                               |
| LIMESTONE                  | OSHA             | TWA, respirable    | 5 mg/m3      | Table Z-1                     |
| LIMESTONE                  | OSHA             | TWA, as total dust | 15 mg/m3     | Table Z-1                     |
| MAGNESIUM CARBONATE        | OSHA             | TWA, respirable    | 5 mg/m3      | Table Z-1                     |
| MAGNESIUM CARBONATE        | OSHA             | TWA, as total dust | 15 mg/m3     | Table Z-1                     |
| METHYL ISOBUTYL KETONE     | ACGIH            | TWA                | 50 ppm       |                               |

|                        |       |                         |           |            |
|------------------------|-------|-------------------------|-----------|------------|
| METHYL ISOBUTYL KETONE | ACGIH | STEL                    | 75 ppm    |            |
| METHYL ISOBUTYL KETONE | OSHA  | TWA, Vacated            | 50 ppm    |            |
| METHYL ISOBUTYL KETONE | OSHA  | STEL, Vacated           | 75 ppm    |            |
| METHYL ISOBUTYL KETONE | OSHA  | TWA                     | 100 ppm   | Table Z-1  |
| 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 |
| XYLENE                 | ACGIH | TWA                     | 100 ppm   | Table A4   |
| XYLENE                 | ACGIH | STEL                    | 150 ppm   | Table A4   |
| XYLENE                 | CMRG  | TWA                     | 50 ppm    |            |
| XYLENE                 | CMRG  | STEL                    | 75 ppm    |            |
| XYLENE                 | OSHA  | TWA                     | 100 ppm   | Table Z-1A |
| XYLENE                 | OSHA  | STEL                    | 150 ppm   | Table Z-1A |

\* Substance(s) refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

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>Specific Physical Form:</b>            | Paste  |
| <b>Odor, Color, Grade:</b>                | Solvent Odor, Grean Smooth Paste   |
| <b>General Physical Form:</b>             | Liquid   |
| <b>Autoignition temperature</b>           | <i>No Data Available</i>   |
| <b>Flash Point</b>                        | 63 °F [ <i>Test Method:</i> Closed Cup]  |
| <b>Flammable Limits - LEL</b>             | 1.00 %   |
| <b>Flammable Limits - UEL</b>             | 13.00 %  |
| <b>Boiling point</b>                      | 93 °F  |
| <b>Density</b>                            | 13.047 lb/gal  |
| <b>Density</b>                            | 1.56 g/ml  |
| <b>Vapor Density</b>                      | <i>No Data Available</i>   |
| <b>Vapor Pressure</b>                     | <=27 psia [@ 131.0000000000 °F] [ <i>Details:</i> MITS data]   |
| <b>Specific Gravity</b>                   | 1.56 [ <i>Ref Std:</i> WATER=1]  |
| <b>pH</b>                                 | <i>Not Applicable</i>  |
| <b>Melting point</b>                      | <i>No Data Available</i>   |
| <b>Solubility in Water</b>                | Nil  |
| <b>Evaporation rate</b>                   | <i>No Data Available</i>   |
| <b>Hazardous Air Pollutants</b>           | 27.62975 % weight  |
| <b>Volatile Organic Compounds</b>         | 478.14 g/l [ <i>Test Method:</i> calculated SCAQMD rule 443.1] [ <i>Details:</i> Excluding exempt compounds (371.79g/L)] |
| <b>Kow - Oct/Water partition coef</b>     | <i>No Data Available</i>   |
| <b>Percent volatile</b>                   | 24.31 %  |
| <b>VOC Less H2O &amp; Exempt Solvents</b> | 478.14 g/l [ <i>Test Method:</i> calculated SCAQMD rule 443.1]   |

Viscosity 200000 - 400000 centipoise  
Materials to avoid Strong acids

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

### Materials and Conditions to Avoid:

#### 10.1 Conditions to avoid

Sparks and/or flames, Heat

#### 10.2 Materials to avoid

Strong acids, Strong oxidizing agents

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

### Hazardous Decomposition or By-Products

| <u>Substance</u>              | <u>Condition</u> |
|-------------------------------|------------------|
| Carbon monoxide               | Not Specified    |
| Carbon dioxide                | Not Specified    |
| Toxic Vapor, Gas, Particulate | Not Specified    |

## 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.

### CHEMICAL FATE INFORMATION

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

**EPA Hazardous Waste Number (RCRA):** D001 (Ignitable)

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

**SECTION 14: TRANSPORT INFORMATION**

**ID Number(s):**

LB-K100-0429-0, LB-K100-0573-9, 60-4550-4814-4, 60-4550-4997-7, 70-0080-0035-1, 70-0080-0080-7, 70-0080-0081-5, 70-0080-0083-1

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

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**

| <u>Ingredient</u>               | <u>C.A.S. No</u> | <u>% by Wt</u> |
|---------------------------------|------------------|----------------|
| XYLENE                          | 1330-20-7        | 1 - 12         |
| 2-BUTOXYETHANOL (GLYCOL ETHERS) | 111-76-2         | 1 - 5          |
| METHYL ISOBUTYL KETONE          | 108-10-1         | 1 - 5          |
| ETHYLBENZENE                    | 100-41-4         | 1 - 5          |
| DIBUTYL PHTHALATE               | 84-74-2          | < 0.5          |

**STATE REGULATIONS**

Contact 3M for more information.

**CALIFORNIA PROPOSITION 65**

| <u>Ingredient</u> | <u>C.A.S. No.</u> | <u>Classification</u>      |
|-------------------|-------------------|----------------------------|
| DIBUTYL PHTHALATE | 84-74-2           | *Female reproductive toxin |
| DIBUTYL PHTHALATE | 84-74-2           | *Male reproductive toxin   |
| DIBUTYL PHTHALATE | 84-74-2           | *Developmental Toxin       |
| ETHYLBENZENE      | 100-41-4          | **Carcinogen               |

\* WARNING: contains a chemical or chemicals which can cause birth defects or other reproductive harm.

\*\* WARNING: contains a chemical which can cause cancer.

**CHEMICAL INVENTORIES**

The components of this product are in compliance with the chemical notification requirements of TSCA.



Contact 3M for more information.

## INTERNATIONAL REGULATIONS

Contact 3M for more information.

**WHMIS:** Hazardous

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:** 2 **Flammability:** 3 **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.

**Reason for Reissue:** The MSDS has been revised because 3M has adopted the 16-section ANSI/ISO format. The potential hazards of the product have not changed. We encourage you to reread the MSDS and review the information.

### Revision Changes:

Section 9: Property description for optional properties was modified.

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

Section 2: Ingredient table was modified.

Section 9: Property description for required properties was added.

10.1 Conditions to avoid was added.

10.2 Materials to avoid was added.

Section 6: Release measures information 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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