



Material Safety Data Sheet

Copyright, 2013, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M™ Super Silicone Sealant - Black PNs 08662 (3 oz. tube); 08664 (1/10 gallon cartridge)
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: 09/13/13
Supersedes Date: 05/15/06

Document Group: 10-5924-5

Product Use:

Intended Use: Automotive
Specific Use: Silicone Sealant

SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED	70131-67-8	60 - 100
SILICA	7631-86-9	10 - 30
METHYLTRIACETOXYSILANE	4253-34-3	1 - 5
ETHYLTRIACETOXYSILANE	17689-77-9	1 - 5
POLY(DIMETHYLSILOXANE)	63148-62-9	1 - 5
CARBON BLACK	1333-86-4	0.1 - 1

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Paste

Odor, Color, Grade: Acetic acid type (pungent) odor, black paste.

General Physical Form: Liquid

Immediate health, physical, and environmental hazards: May cause severe eye irritation.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:

Severe Eye Irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

Skin Contact:

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

Inhalation:

No health effects are expected.

Ingestion:

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

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: Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

Skin Contact: Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Inhalation: No need for first aid is anticipated.

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

Autoignition temperature	No Data Available
Flash Point	Not Applicable
Flammable Limits(LEL)	Not Applicable
Flammable Limits(UEL)	Not Applicable

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.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Avoid contact with water.

6.2. Environmental precautions

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Clean-up methods

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. 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. Collect as much of the spilled material as possible. 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

Avoid eye contact. Avoid contact with water to prevent potentially violent reaction or fire. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid breathing of vapors, mists or spray. Avoid prolonged or repeated skin contact. Avoid eye contact with vapors, mists, or spray. Keep out of the reach of children. For industrial or professional use only. Avoid contact with oxidizing agents. 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

Store away from areas where product may come into contact with food or pharmaceuticals. Store away from oxidizing agents. Store in a cool, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use with appropriate local exhaust ventilation. 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. Avoid eye contact with vapors, mists, or spray.

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

8.2.2 Skin Protection

Avoid prolonged or repeated skin contact. Gloves not normally required.

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: Neoprene

Polymer laminate

.

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray.

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 air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

8.2.4 Prevention of Swallowing

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

8.3 EXPOSURE GUIDELINES

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
SILICA	CMRG	TWA, as respirable dust	3 mg/m ³	

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

Specific Physical Form:	Paste
Odor, Color, Grade:	Acetic acid type (pungent) odor, black paste.
General Physical Form:	Liquid
Autoignition temperature	<i>No Data Available</i>
Flash Point	<i>Not Applicable</i>
Flammable Limits(LEL)	<i>Not Applicable</i>
Flammable Limits(UEL)	<i>Not Applicable</i>
Boiling Point	<i>Not Applicable</i>
Density	1.04 g/ml
Vapor Density	<i>Not Applicable</i>
Vapor Pressure	<=5.0000 mmHg
Specific Gravity	1.04 [Ref Std: WATER=1]
pH	<i>Not Applicable</i>
Melting point	<i>No Data Available</i>

Solubility In Water	<=0.10 g/100 ml
Evaporation rate	<=1.00 [Ref Std: ETHER=1]
Hazardous Air Pollutants	0 % weight [Test Method: Calculated]
Volatile Organic Compounds	0.28 lb/gal [Test Method: calculated SCAQMD rule 443.1]
Volatile Organic Compounds	34 g/l [Test Method: calculated SCAQMD rule 443.1]
Volatile Organic Compounds	3.4 % weight [Test Method: calculated per CARB title 2]
Kow - Oct/Water partition coef	No Data Available
Percent volatile	3.4 %
VOC Less H2O & Exempt Solvents	34 g/l [Test Method: calculated SCAQMD rule 443.1]

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid:

10.1 Conditions to avoid

Not determined

10.2 Materials to avoid

Strong oxidizing agents

Water

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Formaldehyde	Not Specified
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified

Hazardous Decomposition: Product releases acetic acid during cure. SO₂, CO, CO₂, acetic acid and smoke particles when subjected to excessive heat or flame.

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 an industrial or commercial facility. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

EPA Hazardous Waste Number (RCRA): Not regulated

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

SECTION 14: TRANSPORT INFORMATION

ID Number(s):

LB-K100-0312-1, LB-K100-0311-8, 62-5248-1609-7, 62-5248-5209-2

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

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 - Yes Delayed Hazard - No

STATE REGULATIONS

Contact 3M for more information.

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.

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: 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.

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 1: Product name information was modified.
Section 1: Product use information information was modified.
Section 16: NFPA hazard classification for health information was modified.
Section 16: Disclaimer (second paragraph) information was modified.
Section 4: First aid for eye contact - decontamination - information was modified.
Section 4: First aid for eye contact - medical assistance - information was modified.
Section 3: Potential effects from eye contact information was modified.
Section 3: Potential effects from inhalation information information was modified.
Section 3: Potential effects from ingestion information information was modified.
Section 7: Handling information information was modified.
Section 7: Storage information information was modified.
Section 8: Skin protection phrase information was modified.
Section 10: Hazardous decomposition or by-products table information was modified.
Section 8: Eye/face protection information information was modified.
Section 8: Skin protection - recommended gloves information information was modified.
Section 8: Respiratory protection - recommended respirators information information was modified.
Section 8: Respiratory protection - recommended respirators information was modified.
Section 14: Transportation legal text information was modified.
Page Heading: Product name information was modified.
Section 15: 311/312 Delayed Hazard score information was modified.
Section 9: Density information information was modified.
Section 9: Vapor density value information was modified.
Section 9: Vapor pressure value information was modified.
Section 9: Boiling point information information was modified.
Section 5: Flammable limits (UE) information information was modified.
Section 5: Flammable limits (LEL) information information was modified.
Section 5: Autoignition temperature information information was modified.
Section 5: Flash point information information was modified.
Section 9: Property description for optional properties information was modified.
Section 9: Specific gravity information information was modified.
Section 9: pH information information was modified.
Section 9: Melting point information information was modified.
Section 9: Solubility in water value information was modified.
Section 8: Respiratory protection - recommended respirators guide information was modified.
Section 9: Flash point information information was modified.
Section 9: Flammable limits (LEL) information information was modified.
Section 9: Flammable limits (UEL) information information was modified.
Section 9: Autoignition temperature information information was modified.
Section 3: Immediate eye hazard(s) information was added.
Section 4: First aid for inhalation - none - information was added.
Section 14: ID Number Heading Template 1 information was added.
Section 14: ID Number(s) Template 1 information was added.
Section 2: Ingredient table information was added.
Section 8: Exposure guidelines ingredient information information was added.
Section 8: Exposure guidelines data source legend information was added.
Section 6: 6.2. Environmental precautions heading information was added.
Section 6: 6.1. Personal precautions, protective equipment and emergency procedures heading information was added.
Section 10.1 Conditions to avoid heading information was added.
Section 10.2 Materials to avoid heading information was added.
Section 16: Web address information was added.
Section 6: Personal precautions information information was added.
Section 6: Environmental procedures information information was added.
Section 6: Methods for cleaning up information information was added.
Section 10: Materials to avoid physical property information was added.

Section 10: Conditions to avoid physical property information was added.
Section 8: Hand protection information information was added.
Section 1: Address information was added.
Copyright information was added.
Company logo information was added.
Section 6: Clean-up methods heading information was added.
Telephone header information was added.
Company Telephone information was added.
Section 1: Emergency phone information information was added.
Section 1: Emergency phone information information was deleted.
Company Logo information was deleted.
Section 3: Other potential health effects heading information was deleted.
Copyright information was deleted.
Section 16: Web address heading information was deleted.
Section 6: Release measures information information was deleted.
Section 6: Release measures heading information was deleted.
Section 4: First aid for inhalation - termination of exposure - information was deleted.
Section 4: First aid for inhalation - medical assistance - information was deleted.
Section 10: Materials and conditions to avoid physical property information was deleted.
Section 3: Immediate other hazard(s) information was deleted.
Section 3: Other health effects information information was deleted.
Section 1: Address line 1 information was deleted.
Section 1: Address line 2 information was deleted.
Section 8: Respiratory protection - recommended respirators punctuation information was deleted.

DISCLAIMER: The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M

3M USA MSDSs are available at www.3M.com