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MATERIAL SAFETY DATA SHEET

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1 Product Identification

Tradename:
3M FIRE BARRIER WATERTIGHT SEALANT 3000 WT
Product ID:
98-0400-5503-4 XE-1014-9500-2 98-0400-5504-2 98-0400-5553-9
98-0400-5586-9
Intended Use of Product:
Caulk;
Division:
BUILDING & COMMERCIAL SERVICES

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
MELAMINE	108-78-1	30 - 60
SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED	70131-67-8	15 - 40
POLY (DIMETHYLSILOXANE)	63148-62-9	10 - 30
GRAPHITE	7782-42-5	10 - 30
METHYLTRIS (2-BUTYLIDENEAMINOXY) SILANE	22984-54-9	3 - 7
SILICA	7631-86-9	1 - 5
SYNTHETIC AMORPHOUS SILICA, FUMED, CRYSTALLINE FREE	112945-52-5	1 - 5

METHYL ETHYL KETONE OXIME	96-29-7	1 - 2
(3-AMINOPROPYL) TRIETHOXYSILANE	919-30-2	0.5 - 1.5

NOTE:

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

3 Hazards Identification

Critical Hazards:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
May be absorbed following inhalation and cause target organ effects.
May be absorbed following ingestion and cause target organ effects.
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

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

Instructions for 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.

Instructions for Inhalation:

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

Instructions for Ingestion:

Do not induce vomiting unless instructed to do so by medical personnel. Get medical attention.

5 Fire Fighting Measures

Flash point: Not applicable

Lower Explosive Limit (%): Not applicable

Upper Explosive Limit (%): Not applicable

Autoignition temperature: Not applicable

Suitable Extinguishing Media:

Non-combustible. Choose material suitable for surrounding fire.

Exposure Hazards during Fire:

No data available.

Combustion Products from Fire:

Formaldehyde;
Carbon Monoxide;
Carbon Dioxide;

Oxides of nitrogen;
Unusual Fire and Explosion Hazards
None known.
Fire Fighting Procedures:
Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).
NFPA: Health 2
NFPA: Fire 1
NFPA: Reactivity 0
NFPA: Unusual Reaction Hazard none
Special Instructions:
Not applicable.

6 Accidental Release Measures

Personal Precautions:
Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.
Spill Response:
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. Collect as much of the spilled material as possible. Collect the resulting residue containing solution. 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. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:
No data available.
Incompatible Materials:
Store away from oxidizing agents.
Ventilation:
No data available.
Use Instructions:
For industrial or professional use only.
Avoid contact with oxidizing agents.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact.

The following should be worn alone or in combination, as appropriate, to prevent eye contact:

Safety glasses with side shields

Hand Protection:

Wear appropriate gloves when handling this material.

The following glove material(s) are recommended:

neoprene;

nitrile rubber;

polyvinyl chloride;

Skin Protection:

Avoid prolonged or repeated 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.

Respiratory Protection:

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

Ingestion (Prevention):

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

Recommended Ventilation:

Use in a well-ventilated area.

Ingredient Exposure Data

MELAMINE (108-78-1)

LD50 (rat, oral) 3161 mg/kg

LD50 (dermal, rabbit) > 1 g/kg

LC50 (rat, inhalation/4 hours) 3248 mg/m3

Exposure Limits

AIHA: TWA 5 mg/m3 (Respirable) AIHA: TWA 10 mg/m3 (Inhalable)

SILOXANES AND SILICONES, DI-ME, HYDROXY-TERMINATED (70131-67-8)**Specific Ingredient Data**

No data available.

LD50 (rat, oral) No data available.

LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits

No data available.

POLY(DIMETHYLSILOXANE) (63148-62-9)**Specific Ingredient Data**

No data available.

LD50 (rat, oral)	> 17 g/kg
LD50 (dermal, rabbit)	> 2 g/kg
LC50 (rat, inhalation/4 hours)	No data available.

Exposure Limits
No data available.

GRAPHITE (7782-42-5)
Specific Ingredient Data
No data available.

LD50 (rat, oral)	No data available.
LC50 (rat, inhalation/4 hours)	No data available.

Exposure Limits
ACGIH: TWA 2 mg/m3 (respirable)

METHYLTRIS(2-BUTYLIDENEAMINOOXY)SILANE (22984-54-9)
Specific Ingredient Data
No data available.

LD50 (rat, oral)	No data available.
LC50 (rat, inhalation/4 hours)	No data available.

Exposure Limits
No data available.

SILICA (7631-86-9)
Specific Ingredient Data
LC50 (inhalation, rat, dust/1 hour): 1260 2830 mg/m3

LD50 (rat, oral)	3160 mg/kg
LC50 (rat, inhalation/4 hours)	No data available.

Exposure Limits
CMRG: TWA 3 mg/m3 as respirable dust

SYNTHETIC AMORPHOUS SILICA, FUMED, CRYSTALLINE FREE (112945-52-5)
LD50 (rat, oral) 3160 mg/kg
LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits
No data available.

METHYL ETHYL KETONE OXIME (96-29-7)
LD50 (rat, oral) 930 mg/kg
LC50 (rat, inhalation/4 hours) No data available.

Exposure Limits
AIHA: TWA AIHA: TWA CMRG: STEL CMRG: TWA 36 mg/m3
10 ppm
10 ppm
3 ppm

(3-AMINOPROPYL)TRIETHOXSILANE (919-30-2)
Specific Ingredient Data
LD50 (oral, female rat): 1.57 g/kg

LD50 (rat, oral)	1780 mg/kg
LD50 (dermal, rabbit)	4.00 ml/kg (3.80 g/kg)
LC50 (rat, inhalation/4 hours)	No data available.

Exposure Limits
No data available.

9 Physical and Chemical Properties

Physical form,Color,Odour:	Solid; paste; grey; Thixotropic;
Odour Threshold:	No data available.
pH:	No data available.
Boiling point/boiling range:	No data available.
Melting point/melting range:	Not applicable
Vapour pressure:	No data available.
Water Solubility:	Nil
Specific gravity:	◆ 1.25 Water=1
Vapour density:	No data available.
Volatile organic compounds:	◆ 30 gms/liter
Evaporation rate:	No data available.
Viscosity:	No data available.
Percent Volatile:	Not Available

10 Stability and Reactivity

Conditions to Avoid:
None known.

Materials to Avoid:
Strong oxidizing agents;

Hazardous Decomposition:
Formaldehyde;
Carbon Monoxide;
Carbon Dioxide;
Oxides of nitrogen;

Stability and Reactivity:
Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:
Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

Effects from Skin Contact:
Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
Mild Skin Irritation: Signs/symptoms can include localized redness, swelling, and itching.

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

May be absorbed following inhalation and cause target organ effects.

Effects from 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.

Sensitization Information:

Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

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

Component Based Information:

No data available.

Product Based Information:

No data available.

Other Effects & Information:

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

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

13 Disposal Considerations

Product as Sold:

Dispose of completely cured (or polymerized) wastes in a sanitary landfill. As a disposal alternative, incinerate uncured product in an industrial or commercial incinerator in the presence of a combustible material.

Product Packaging:

No data available.

Special Instructions:

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

14 Transport Information

Transportation of Dangerous Goods

TDG Classification: Non-Regulated Material

Special Information:: Contact 3M for more information.

These transportation classifications are provided as a customer service. As the shipper 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 original 3M package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification: D2A, D2B

NOTE:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Product Certifications:

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

TSCA - Toxic Substances Control Act (USA)

AICS - Australian Inventory of Chemical Substances

CICS - Chinese Inventory of Chemical Substances

PICCS - Philippines Inventory of Commercial Chemical Substances

DSL - Domestic Substances List (Canada)

KECI - Korean Existing Chemicals Inventory

16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

Added product id(s) to the MSDS;

Section 2 - Composition/Information on Ingredients;

Section 3 - Hazards Identification - Critical Hazards;

Section 4 - First Aid Measures;

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 9 - Physical and Chemical Properties;

Section 10 - Stability and Reactivity;

Section 11 - Toxicological Information;

Section 13 - Disposal Considerations;

Section 15 - Regulatory Information: Product Certifications

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, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION 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.

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