

Safety Data Sheet

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Document Group:	28-6195-3	Version Number:	1.08
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Product identifier

3M[™] Scotch-Weld[™] Structural Void Filling Compound EC-3555 B/A FST

ID Number	UPC	ID Number	UPC
87-2500-0384-2	00048011986227	87-2500-0392-5	00048011986289
87-2500-0427-9	00048011986630	87-2500-0428-7	00048011986647

Recommended use

Void Filling Compound

Supplier's details

MANUFACTURER:	3M
DIVISION:	Automotive and Aerospace Solutions Division
ADDRESS:	3M Center, St. Paul, MN 55144-1000, USA
Telephone:	1-888-3M HELPS (1-888-364-3577)

Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet (SDS), Article Information Sheet (AIS), or Article Information Letter (AIL) for each of these components is included. Please do not separate the component documents from this cover page. The document numbers for components of this product are:

28-6011-2, 29-2175-7

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Document Group:	29-2175-7	Version Number:	5.05
Issue Date:	03/22/22	Supercedes Date:	03/22/22

SECTION 1: Identification

1.1. Product identifier

3M[™] Scotch-Weld[™] Structural Void Filling Compound EC-3550 and EC-3555 B/A FST, Part B

1.2. Recommended use and restrictions on use

Recommended use

Base for two component void filling compound

This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

1.3. Supplier's details	
MANUFACTURER:	3M
DIVISION:	Automotive and Aerospace Solutions Division
ADDRESS:	3M Center, St. Paul, MN 55144-1000, USA
Telephone:	1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number

1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification

Serious Eye Damage/Irritation: Category 2A. Skin Corrosion/Irritation: Category 2. Skin Sensitizer: Category 1A. Reproductive Toxicity: Category 1B.

2.2. Label elements Signal word Danger

Symbols Exclamation mark | Health Hazard |

Pictograms



Hazard Statements

Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. May damage fertility or the unborn child.

Precautionary Statements

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective gloves and eye/face protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

IF exposed or concerned: Get medical advice/attention.

Storage:

Store locked up.

Disposal:

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

1% of the mixture consists of ingredients of unknown acute oral toxicity. 2% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
EPF EPOXY NOVOLAK	9003-36-5	20 - 30 Trade Secret *
GLASS BUBBLES	65997-17-3	10 - 30
ALUMINA TRIHYDRATE	21645-51-2	10 - 20
EPOXY RESIN C	14228-73-0	10 - 20 Trade Secret *
GRAPHITE	7782-42-5	5 - 15
EPOXY RESIN A	28064-14-4	1 - 10 Trade Secret *
EPOXY RESIN B	1675-54-3	1 - 10 Trade Secret *
EPOXY RESIN D	25068-38-6	1 - 10 Trade Secret *
ZINC BORATE	1332-07-6	1 - 10 Trade Secret *
LIMESTONE	1317-65-3	1 - 5
TREATED AMORPHOUS SILICA	67762-90-7	0.5 - 5

RED PHOSPHORUS	7723-14-0	<= 3 Trade Secret *
SULFURIC ACID	7664-93-9	< 2 Trade Secret *
SILANE	2530-83-8	< 1.5 Trade Secret *
STANNOUS SULFATE	7488-55-3	< 1 Trade Secret *
BORIC ACID	10043-35-3	< 0.3 Trade Secret *

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact:

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

Eye Contact:

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

If Swallowed:

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Allergic skin reaction (redness, swelling, blistering, and itching).

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

Substance	<u>Condition</u>
Aldehydes	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion
Hydrogen Chloride	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

Evacuate area. 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. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

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. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. 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 SDS. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Use personal protective equipment (gloves, respirators, etc.) as required.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat. Store away from acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
BORIC ACID	10043-35-3	ACGIH	TWA(inhalable fraction):2	A4: Not class. as human
			mg/m3;STEL(inhalable	carcin
			fraction):6 mg/m3	
LIMESTONE	1317-65-3	OSHA	TWA(as total dust):15	
			mg/m3;TWA(respirable	
			fraction):5 mg/m3	
Aluminum, insoluble compounds	21645-51-2	ACGIH	TWA(respirable fraction):1	A4: Not class. as human
			mg/m3	carcin
DUST, INERT OR NUISANCE	21645-51-2	OSHA	TWA(as total dust):15	
			mg/m3;TWA(as total dust):50	
			millions of particles/cu. ft.(15	
			mg/m3);TWA(respirable	
			fraction):5	
			mg/m3;TWA(respirable	
			fraction):15 millions of	
			particles/cu. ft.(5 mg/m3)	
GLASS BUBBLES	65997-17-3	Manufacturer	TWA(as non-fibrous,	
		determined	respirable)(8 hours):3	

			mg/m3;TWA(as non-fibrous, inhalable fraction)(8 hours):10 mg/m3	
SILICA, AMORPHOUS	67762-90-7	OSHA	TWA:20 millions of particles/cu. ft.;TWA concentration:0.8 mg/m3	
TIN, INORGANIC COMPOUNDS, EXCEPT OXIDES	7488-55-3	OSHA	TWA(as Sn):2 mg/m3	
STRONG INORGANIC ACID MISTS CONTAINING SULFURIC ACID	7664-93-9	ACGIH	Limit value not established:	A2: Suspected human carcin.
SULFURIC ACID	7664-93-9	ACGIH	TWA(thoracic fraction):0.2 mg/m3	
SULFURIC ACID	7664-93-9	OSHA	TWA:1 mg/m3	
Phosphorus, mol. (P4)	7723-14-0	ACGIH	TWA:0.1 mg/m3	
RED PHOSPHORUS	7723-14-0	OSHA	TWA:0.1 mg/m3	
GRAPHITE	7782-42-5	ACGIH	TWA(respirable fraction):2 mg/m3	
GRAPHITE	7782-42-5	OSHA	TWA:15 millions of particles/cu. ft.	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Indirect Vented Goggles

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended: Polymer laminate

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used:Nitrile Rubber

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then

use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

Respiratory protection

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 or full facepiece air-purifying respirator suitable for organic vapors and particulates

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Color	Brown
Specific Physical Form:	Viscous
Odor	Low Odor
Odor threshold	No Data Available
рН	Not Applicable
Melting point	Not Applicable
Boiling Point	Not Applicable
Flash Point	>=200 °F [<i>Test Method</i> :Closed Cup]
Evaporation rate	No Data Available
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	Not Applicable
Flammable Limits(UEL)	Not Applicable
Vapor Pressure	Negligible
Vapor Density	No Data Available
Density	0.7 g/ml
Specific Gravity	0.5 - 0.7 [<i>Ref Std</i> :WATER=1]
Solubility in Water	Negligible
Solubility- non-water	No Data Available
Partition coefficient: n-octanol/ water	No Data Available
Autoignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Percent volatile	Negligible

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

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature exothermic reaction with production of intense heat and smoke.

10.5. Incompatible materials

Strong acids

Substance

10.6. Hazardous decomposition products

Condition

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

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:

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

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May cause additional health effects (see below).

Skin Contact:

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

Eye Contact:

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

Dust created by cutting, grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion:

May be harmful if swallowed.

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

May cause additional health effects (see below).

Additional Health Effects:

Reproductive/Developmental Toxicity:

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

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

DermalIngestionDermalIngestionDermalIngestionDermalInhalation-Dust/Mist(4 hours)IngestionDermalInhalation-Dust/Mist(4 hours)IngestionDermalInhalation-Dust/Mist(4 hours)IngestionDermalInhalation-Dust/Mist(4 hours)IngestionDermalDhalation-Dust/Mist	Rat Rat Rabbit Rat Rat Rat Rat Rat Rat Rabbit	No data available; calculated ATE >5,000 mg/kgNo data available; calculated ATE >2,000 - \leq 5,000mg/kgLD50 > 2,000 mg/kgLD50 > 5,000 mg/kgLD50 estimated to be > 5,000 mg/kgLD50 estimated to be 2,000 - 5,000 mg/kgLD50 > 2,000 mg/kgLD50 > 5.19 mg/lLD50 estimated to be > 5,000 mg/kgLD50 = 1,098 mg/kgLD50 estimated to be > 5,000 mg/kgLD50 = 2.3 mg/lLD50 > 5,000 mg/kgLD50 > 5,000 mg/kg
Dermal Ingestion Dermal Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Ingestion Dermal Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Ingestion Dermal Ingestion Dermal Ingestion Dermal Induction- Dermal	Rat Rabbit Rat Rat Rat Rat Rat	mg/kg LD50 > 2,000 mg/kg LD50 > 5,000 mg/kg LD50 estimated to be > 5,000 mg/kg LD50 estimated to be 2,000 - 5,000 mg/kg LD50 > 2,000 mg/kg LD50 > 5.19 mg/l LD50 estimated to be > 5,000 mg/kg LD50 1,098 mg/kg LD50 estimated to be > 5,000 mg/kg LD50 1,098 mg/kg LD50 > 2.3 mg/l
Ingestion Dermal Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation-	Rat Rabbit Rat Rat Rat Rat Rat	LD50 > 5,000 mg/kg LD50 estimated to be > 5,000 mg/kg LD50 estimated to be 2,000 - 5,000 mg/kg LD50 > 2,000 mg/kg LC50 > 5.19 mg/l LD50 estimated to be > 5,000 mg/kg LD50 1,098 mg/kg LD50 estimated to be > 5,000 mg/kg LC50 > 2.3 mg/l
Dermal Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation- Dermal Inhalation-	Rabbit Rat Rat Rat Rat Rat	LD50 estimated to be > 5,000 mg/kg LD50 estimated to be 2,000 - 5,000 mg/kg LD50 > 2,000 mg/kg LC50 > 5.19 mg/l LD50 estimated to be > 5,000 mg/kg LD50 1,098 mg/kg LD50 estimated to be > 5,000 mg/kg LC50 > 2.3 mg/l
Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation-	Rat Rat Rat Rat	LD50 estimated to be 2,000 - 5,000 mg/kg LD50 > 2,000 mg/kg LC50 > 5.19 mg/l LD50 1,098 mg/kg LD50 estimated to be > 5,000 mg/kg LC50 > 2.3 mg/l
Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation-	Rat Rat Rat Rat	LD50 > 2,000 mg/kg LC50 > 5.19 mg/l LD50 1,098 mg/kg LD50 estimated to be > 5,000 mg/kg LC50 > 2.3 mg/l
Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation-	Rat Rat Rat Rat	LC50 > 5.19 mg/l LD50 1,098 mg/kg LD50 estimated to be > 5,000 mg/kg LC50 > 2.3 mg/l
Dust/Mist (4 hours) Ingestion Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation-	Rat Rat Rat	LD50 1,098 mg/kg LD50 estimated to be > 5,000 mg/kg LC50 > 2.3 mg/l
Dermal Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation-	Rat Rat	LD50 estimated to be > 5,000 mg/kg LC50 > 2.3 mg/l
Inhalation- Dust/Mist (4 hours) Ingestion Dermal Inhalation-	Rat	LC50 > 2.3 mg/l
Dust/Mist (4 hours) Ingestion Dermal Inhalation-	Rat	
Ingestion Dermal Inhalation-		LD50 > 5,000 mg/kg
Dermal Inhalation-		
Inhalation-		LD50 > 6,000 mg/kg
(4 hours)	Rat	LC50 > 1.7 mg/l
Ingestion	Rat	LD50 > 4,000 mg/kg
Dermal		LD50 estimated to be > 5,000 mg/kg
Ingestion	Rat	LD50 > 2,000 mg/kg
Dermal	Rat	LD50 > 1,600 mg/kg
Ingestion	Rat	LD50 > 1,000 mg/kg
Dermal	Rat	LD50 > 1,600 mg/kg
Ingestion	Rat	LD50 > 1,000 mg/kg
Dermal	Rabbit	LD50 > 5,000 mg/kg
Inhalation- Dust/Mist	Rat	LC50 > 4.95 mg/l
Ingestion	Rat	LD50 > 5,000 mg/kg
Dermal		LD50 estimated to be > 5,000 mg/kg
Inhalation- Dust/Mist (4 hours)	Rat	LC50 1.1 mg/l
Ingestion	Rat	LD50 > 15,000 mg/kg
Dermal	Rat	LD50 > 2,000 mg/kg
Inhalation- Dust/Mist (4 hours)	Rat	LC50 3 mg/l
Ingestion	Rat	LD50 6,450 mg/kg
Dermal	Rabbit	LD50 4,000 mg/kg
Dermal	Rabbit	LD50 > 5,000 mg/kg
Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 5.3 mg/l
Ingestion	Rat	LD50 7,010 mg/kg
Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Ingestion	Rat	LD50 > 5,110 mg/kg
Inhalation- Dust/Mist	Rat	LC50 0.375 mg/l
	Inhalation- Dust/Mist (4 hours)IngestionDermalIngestionDermalIngestionDermalIngestionDermalIngestionDermalIngestionDermalInhalation- Dust/MistInhalation- Dust/Mist (4 hours)IngestionDermalInhalation- Dust/Mist (4 hours)IngestionDermalInhalation- Dust/Mist (4 hours)IngestionDermalInhalation- Dust/Mist (4 hours)IngestionDermalInhalation- Dust/Mist (4 hours)IngestionInhalation- Dust/Mist (4 hours)IngestionInhalation- Dust/Mist (4 hours)IngestionInhalation- Dust/Mist (4 hours)IngestionInhalation- Dust/Mist (4 hours)IngestionInhalation- Dust/Mist (4 hours)Ingestion	DermalRabbitInhalation- Dust/Mist (4 hours)RatIngestionRatDermalRatDermalRatIngestionRatDermalRatIngestionRatDermalRatIngestionRatDermalRatIngestionRatDermalRatIngestionRatDermalRatDermalRatDermalRatDermalRatDust/MistIngestionIngestionRatDust/MistIngestionIngestionRatDermalRatDust/MistRatDermalRatDermalRatDust/MistRatDermalRatDust/MistRatDust/MistRatDust/MistRatDust/MistRatIngestionRatDust/MistRatIngestionRatIngestionRatIngestionRatIngestionRatIngestionRatIngestionRatInhalation- Dust/MistRatIngestionRatInhalation- Dust/MistRatIngestionRatInhalation- Dust/MistRatInhalation- Dust/MistRatInhalation- Dust/MistRatInhalation- Dust/MistRat

SULFURIC ACID	Ingestion	Rat	LD50 2,140 mg/kg
BORIC ACID	Dermal	Rabbit	LD50 > 2,000 mg/kg
BORIC ACID	Inhalation-	Rat	LC50 > 2.12 mg/l
	Dust/Mist		
	(4 hours)		
BORIC ACID	Ingestion	Rat	LD50 3,450 mg/kg
STANNOUS SULFATE	Inhalation-	Rat	LC50 2 mg/l
	Dust/Mist		
	(4 hours)		
STANNOUS SULFATE	Ingestion	Rat	LD50 2,207 mg/kg
STANNOUS SULFATE	Dermal	similar	LD50 estimated to be 2,000 - 5,000 mg/kg
		health	
		hazards	

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
	D 11.4	
EPF EPOXY NOVOLAK	Rabbit	Irritant
GLASS BUBBLES	Professio	No significant irritation
	nal	
	judgeme	
	nt	
EPOXY RESIN C	In vitro	Irritant
	data	
ALUMINA TRIHYDRATE	Rabbit	No significant irritation
EPOXY RESIN A	Rabbit	Minimal irritation
GRAPHITE	Rabbit	No significant irritation
EPOXY RESIN B	Rabbit	Mild irritant
EPOXY RESIN D	Rabbit	Mild irritant
ZINC BORATE	Rabbit	No significant irritation
LIMESTONE	Rabbit	No significant irritation
SILANE	Rabbit	Mild irritant
TREATED AMORPHOUS SILICA	Rabbit	No significant irritation
SULFURIC ACID	Professio	Corrosive
	nal	
	judgeme	
	nt	
BORIC ACID	Rabbit	No significant irritation
STANNOUS SULFATE	Professio	Irritant
	nal	
	judgeme	
	nt	

Serious Eye Damage/Irritation

Name	Species	Value
EPF EPOXY NOVOLAK	Rabbit	No significant irritation
GLASS BUBBLES	Professio	No significant irritation
	nal	
	judgeme	
	nt	
EPOXY RESIN C	In vitro	No significant irritation
	data	
ALUMINA TRIHYDRATE	Rabbit	No significant irritation
EPOXY RESIN A	Rabbit	Mild irritant
GRAPHITE	Rabbit	No significant irritation
EPOXY RESIN B	Rabbit	Moderate irritant
EPOXY RESIN D	Rabbit	Moderate irritant
ZINC BORATE	Rabbit	Severe irritant
LIMESTONE	Rabbit	No significant irritation
SILANE	Rabbit	Corrosive
TREATED AMORPHOUS SILICA	Rabbit	No significant irritation
SULFURIC ACID	Rabbit	Corrosive

BORIC ACID	Rabbit	Mild irritant
STANNOUS SULFATE	Professio nal	Corrosive
	judgeme nt	

Skin Sensitization

Name	Species	Value
EPF EPOXY NOVOLAK	Multiple	Sensitizing
	animal	
	species	
EPOXY RESIN C	Mouse	Sensitizing
ALUMINA TRIHYDRATE	Guinea	Not classified
	pig	
EPOXY RESIN A	Human	Sensitizing
	and	
	animal	
EPOXY RESIN B	Human	Sensitizing
	and	
	animal	
EPOXY RESIN D	Human	Sensitizing
	and	
	animal	
ZINC BORATE	Guinea	Not classified
	pig	
SILANE	Guinea	Not classified
	pig	
TREATED AMORPHOUS SILICA	Human	Not classified
	and	
	animal	
BORIC ACID	Guinea	Not classified
	pig	
STANNOUS SULFATE	Human	Sensitizing

Respiratory Sensitization

Name	Species	Value
EPOXY RESIN B	Human	Not classified
EPOXY RESIN D	Human	Not classified

Germ Cell Mutagenicity

Name	Route	Value
EPF EPOXY NOVOLAK	In vivo	Not mutagenic
EPF EPOXY NOVOLAK	In Vitro	Some positive data exist, but the data are not sufficient for classification
GLASS BUBBLES	In Vitro	Some positive data exist, but the data are not sufficient for classification
EPOXY RESIN C	In vivo	Not mutagenic
EPOXY RESIN C	In Vitro	Some positive data exist, but the data are not sufficient for classification
EPOXY RESIN A	In Vitro	Some positive data exist, but the data are not sufficient for classification
GRAPHITE	In Vitro	Some positive data exist, but the data are not sufficient for classification
EPOXY RESIN B	In vivo	Not mutagenic
EPOXY RESIN B	In Vitro	Some positive data exist, but the data are not sufficient for classification
EPOXY RESIN D	In vivo	Not mutagenic
EPOXY RESIN D	In Vitro	Some positive data exist, but the data are not sufficient for classification
ZINC BORATE	In Vitro	Some positive data exist, but the data are not sufficient for classification
SILANE	In vivo	Not mutagenic
SILANE	In Vitro	Some positive data exist, but the data are not

		sufficient for classification
TREATED AMORPHOUS SILICA	In Vitro	Not mutagenic
SULFURIC ACID	In Vitro	Not mutagenic
BORIC ACID	In Vitro	Not mutagenic
BORIC ACID	In vivo	Not mutagenic
STANNOUS SULFATE	In Vitro	Some positive data exist, but the data are not sufficient for classification
		sufficient for classification

Carcinogenicity

Name	Route	Species	Value
GLASS BUBBLES	Inhalation	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
ALUMINA TRIHYDRATE	Not Specified	Multiple animal species	Not carcinogenic
EPOXY RESIN B	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
EPOXY RESIN D	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification
SILANE	Dermal	Mouse	Not carcinogenic
TREATED AMORPHOUS SILICA	Not Specified	Mouse	Some positive data exist, but the data are not sufficient for classification
SULFURIC ACID	Ingestion	Multiple animal species	Some positive data exist, but the data are not sufficient for classification
SULFURIC ACID	Inhalation	Human	Some positive data exist, but the data are not sufficient for classification
BORIC ACID	Ingestion	Mouse	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
EPOXY RESIN C	Ingestion	Not classified for female reproduction	Rat	NOAEL 300 mg/kg/day	premating into lactation
EPOXY RESIN C	Ingestion	Not classified for male reproduction	Rat	NOAEL 300 mg/kg/day	33 days
EPOXY RESIN C	Ingestion	Not classified for development	Rat	NOAEL 300 mg/kg/day	premating into lactation
ALUMINA TRIHYDRATE	Ingestion	Not classified for development	Rat	NOAEL 768 mg/kg/day	during organogenesi s
EPOXY RESIN B	Ingestion	Not classified for female reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
EPOXY RESIN B	Ingestion	Not classified for male reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
EPOXY RESIN B	Dermal	Not classified for development	Rabbit	NOAEL 300 mg/kg/day	during organogenesi s
EPOXY RESIN B	Ingestion	Not classified for development	Rat	NOAEL 750 mg/kg/day	2 generation
EPOXY RESIN D	Ingestion	Not classified for female reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
EPOXY RESIN D	Ingestion	Not classified for male reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
EPOXY RESIN D	Dermal	Not classified for development	Rabbit	NOAEL 300 mg/kg/day	during organogenesi s
EPOXY RESIN D	Ingestion	Not classified for development	Rat	NOAEL 750 mg/kg/day	2 generation
ZINC BORATE	Ingestion	Toxic to male reproduction	Rat	NOAEL 100 mg/kg/day	92 days
ZINC BORATE	Ingestion	Toxic to development	Rat	LOAEL 100	during

				mg/kg/day	gestation
LIMESTONE	Ingestion	Not classified for development	Rat	NOAEL 625 mg/kg/day	premating & during gestation
SILANE	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	1 generation
SILANE	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	1 generation
SILANE	Ingestion	Not classified for development	Rat	NOAEL 3,000 mg/kg/day	during organogenesi s
TREATED AMORPHOUS SILICA	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
TREATED AMORPHOUS SILICA	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
TREATED AMORPHOUS SILICA	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesi s
SULFURIC ACID	Inhalation	Not classified for development	Rat	NOAEL 19.3 mg/m3	during organogenesi s
BORIC ACID	Ingestion	Toxic to female reproduction	Rat	NOAEL 100 mg/kg/day	3 generation
BORIC ACID	Ingestion	Toxic to male reproduction	Rat	NOAEL 100 mg/kg/day	3 generation
BORIC ACID	Ingestion	Toxic to development	Rabbit	NOAEL 125 mg/kg/day	during organogenesi s

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
EPF EPOXY NOVOLAK	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL not available	
EPOXY RESIN C	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
ZINC BORATE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
LIMESTONE	Inhalation	respiratory system	Not classified	Rat	NOAEL 0.812 mg/l	90 minutes
SULFURIC ACID	Inhalation	respiratory irritation	May cause respiratory irritation	Rat	NOAEL Not Available	
BORIC ACID	Inhalation	respiratory irritation	Not classified	Human	NOAEL Not available	occupational exposure
BORIC ACID	Ingestion	nervous system	Not classified	Rat	NOAEL 2,000 mg/kg	
STANNOUS SULFATE	Inhalation	respiratory irritation	May cause respiratory irritation	Professio nal judgeme nt	NOAEL Not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
EPF EPOXY NOVOLAK	Ingestion	heart endocrine system gastrointestinal tract bone, teeth, nails, and/or hair hematopoietic system liver	Not classified	Rat	NOAEL 250 mg/kg/day	13 weeks

		immune system nervous system eyes kidney and/or bladder respiratory system vascular system				
GLASS BUBBLES	Inhalation	respiratory system	Not classified	Human	NOAEL not available	occupational exposure
EPOXY RESIN C	Ingestion	endocrine system gastrointestinal tract liver heart hematopoietic system immune system nervous system kidney and/or bladder	Not classified	Rat	NOAEL 300 mg/kg/day	33 days
GRAPHITE	Inhalation	pneumoconiosis	Not classified	Human	NOAEL Not available	occupational exposure
EPOXY RESIN B	Dermal	liver	Not classified	Rat	NOAEL 1,000 mg/kg/day	2 years
EPOXY RESIN B	Dermal	nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks
EPOXY RESIN B	Ingestion	auditory system heart endocrine system hematopoietic system liver eyes kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
EPOXY RESIN D	Dermal	liver	Not classified	Rat	NOAEL 1,000 mg/kg/day	2 years
EPOXY RESIN D	Dermal	nervous system	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks
EPOXY RESIN D	Ingestion	auditory system heart endocrine system hematopoietic system liver eyes kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
ZINC BORATE	Inhalation	immune system respiratory system heart endocrine system hematopoietic system liver nervous system kidney and/or bladder	Not classified	Rat	NOAEL 0.15 mg/l	2 weeks
ZINC BORATE	Ingestion	endocrine system liver kidney and/or bladder heart skin bone, teeth, nails, and/or hair hematopoietic system immune system nervous system nervous system eyes respiratory system vascular system	Not classified	Rat	NOAEL 375 mg/kg/day	92 days
LIMESTONE	Inhalation	respiratory system	Not classified	Human	NOAEL Not available	occupational exposure
SILANE	Ingestion	heart endocrine system bone, teeth,	Not classified	Rat	NOAEL 1,000	28 days

		nails, and/or hair hematopoietic system liver immune system nervous system kidney and/or bladder respiratory system			mg/kg/day	
TREATED	Inhalation	respiratory system	Not classified	Human	NOAEL Not	occupational
AMORPHOUS SILICA	Turb all at it.	silicosis	Not classified	D-4	available NOAEL 5.52	exposure
SULFURIC ACID	Inhalation	respiratory system	Not classified	Rat	mg/m3	28 days
BORIC ACID	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 100 mg/kg/day	2 years
BORIC ACID	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 400 mg/kg/day	45 days
BORIC ACID	Ingestion	heart endocrine system bone, teeth, nails, and/or hair liver nervous system respiratory system	Not classified	Rat	NOAEL 334 mg/kg/day	2 years
STANNOUS SULFATE	Ingestion	hematopoietic system liver heart kidney and/or bladder	Not classified	Rat	NOAEL 40 mg/kg/day	4 weeks

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

Ecotoxicological information

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

SECTION 13: Disposal considerations

13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

SECTION 14: Transport Information

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

SECTION 15: Regulatory information

15.1. US Federal Regulations

Contact 3M for more information.

EPCRA 311/312 Hazard Classifications:

Physical Hazards
Not applicable
Health Hazards
Reproductive toxicity
Respiratory or Skin Sensitization
Serious eye damage or eye irritation
Skin Corrosion or Irritation

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

Ingredient	<u>C.A.S. No</u>	<u>% by Wt</u>
ZINC BORATE (ZINC COMPOUNDS)	1332-07-6	Trade Secret 1 - 10
RED PHOSPHORUS (Phosphorus, mol. (P4))	7723-14-0	Trade Secret <= 3
SULFURIC ACID	7664-93-9	Trade Secret < 2
SULFURIC ACID (ISOPROPYL ALCOHOL	7664-93-9	Trade Secret < 2
MANUFACTURE (STRONG-ACID PROCESS))		
SULFURIC ACID (Sulfuric acid)	7664-93-9	Trade Secret < 2

Additional TSCA Information

This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating removal.

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

15.4. International Regulations

Contact 3M for more information.

This SDS 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 Instability: 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.

Document Group:	29-2175-7	Version Number:	5.05
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Safety Data Sheet

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Document Group:	28-6011-2	Version Number:	6.02
Issue Date:	06/02/22	Supercedes Date:	08/19/21

SECTION 1: Identification

1.1. Product identifier

3M[™] Scotch-Weld[™] Structural Void Filling Compound EC-3555 B/A FST, Part A

Product Identification Numbers

LC-B100-0840-9, LC-B100-0841-0, LC-B100-0911-1, LC-B100-0911-2, LC-B100-1197-5, 41-4901-0148-6, 87-2500-0457-6

7010399442

1.2. Recommended use and restrictions on use

Recommended use Structural adhesive

1.3. Supplier's details
MANUFACTURER:3MDIVISION:Automotive and Aerospace Solutions DivisionADDRESS:3M Center, St. Paul, MN 55144-1000, USATelephone:1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number 1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification

Corrosive to metal: Category 1. Acute Toxicity (oral): Category 4. Serious Eye Damage/Irritation: Category 1. Skin Corrosion/Irritation: Category 1C. Skin Sensitizer: Category 1A. Reproductive Toxicity: Category 1B. Specific Target Organ Toxicity (single exposure): Category 1.

2.2. Label elements Signal word Danger

Symbols

Corrosion | Exclamation mark | Health Hazard |

Pictograms



Hazard Statements May be corrosive to metals.

Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May damage fertility or the unborn child.

Causes damage to organs: blood or blood-forming organs

Precautionary Statements

Prevention:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep only in original container. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves, protective clothing, and eye/face protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF exposed or concerned: Get medical advice/attention. Specific treatment (see Notes to Physician on this label). Absorb spillage to prevent material damage.

Storage:

Store in a corrosive resistant container with a resistant inner liner. Store locked up.

Disposal:

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

Notes to Physician:

Overexposure to this product may result in methemoglobinemia. Methemoglobinemia may be clinically suspected by the presence of clinical "cyanosis" in the presence of a normal PaO2 (as obtained by arterial blood gases). Routine pulse oximetry

may be inaccurate for monitoring oxygen saturation in the presence of methemoglobinemia, and should not be used to make the diagnosis of this disorder. If the patient is symptomatic or if the methemoglobin level is >20%, specific therapy with methylene blue should be considered as part of the medical management.

2.3. Hazards not otherwise classified

May cause chemical gastrointestinal burns.

50% of the mixture consists of ingredients of unknown acute oral toxicity. 51% of the mixture consists of ingredients of unknown acute dermal toxicity. 72% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
POLYMERIC EPOXY REACTION	None	30 - 50
ALUMINA TRIHYDRATE	21645-51-2	15 - 35
GLASS BUBBLES	65997-17-3	5 - 30
POLY(OXYPROPYLENE)DIAMINE	9046-10-0	5 - 15 Trade Secret *
CALCIUM SALT	13477-34-4	1 - 10 Trade Secret *
EPF Epoxy Novolak	9003-36-5	1 - 10 Trade Secret *
TRIS(2,4,6-	90-72-2	1 - 10 Trade Secret *
DIMETHYLAMINOMONOMETHYL)PHENOL		
LIMESTONE	1317-65-3	1 - 5
TREATED AMORPHOUS SILICA	67762-90-7	0.5 - 5
ZINC BORATE	1332-07-6	1 - 5 Trade Secret *
BIS[(DIMETHYLAMINO)METHYL]PHENOL	71074-89-0	< 3 Trade Secret *
Boric Acid	10043-35-3	< 0.3 Trade Secret *

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

Remove person to fresh air. If you feel unwell, get medical attention.

Skin Contact:

Immediately flush with large amounts of water for at least 15 minutes. Remove contaminated clothing. Get immediate medical attention. Wash clothing before reuse.

Eye Contact:

Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

If Swallowed:

Rinse mouth. Do not induce vomiting. Get immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Skin burns (localized redness, swelling, itching, intense pain, blistering, and tissue destruction). Allergic skin reaction (redness, swelling, blistering, and itching). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision). Target organ effects. See Section 11 for additional details.

4.3. Indication of any immediate medical attention and special treatment required

Overexposure to this product may result in methemoglobinemia. Methemoglobinemia may be clinically suspected by the presence of clinical "cyanosis" in the presence of a normal PaO2 (as obtained by arterial blood gases). Routine pulse oximetry may be inaccurate for monitoring oxygen saturation in the presence of methemoglobinemia, and should not be used to make the diagnosis of this disorder. If the patient is symptomatic or if the methemoglobin level is >20%, specific therapy with methylene blue should be considered as part of the medical management.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish. Water spray or fog may be used. Do not use straight streams.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance Carbon monoxide Carbon dioxide <u>Condition</u> During Combustion 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

Evacuate area. 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. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

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. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene. 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 SDS. Cover, but do not seal for 48 hours. Dispose of collected material as soon as possible in accordance with applicable local/regional/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Use personal protective equipment (gloves, respirators, etc.) as required.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat. Keep only in original container. Store in a corrosive resistant container with a resistant inner liner.

Store away from acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	C.A.S. No.	Agency	Limit type	Additional Comments
Boric Acid	10043-35-3	ACGIH	TWA(inhalable fraction):2 mg/m3;STEL(inhalable fraction):6 mg/m3	A4: Not class. as human carcin
LIMESTONE	1317-65-3	OSHA	TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3	
Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles	1317-65-3	ACGIH	TWA(inhalable particulates):10 mg/m3	
Particles (insoluble or poorly soluble) not otherwise specified, respirable particles	1317-65-3	ACGIH	TWA(respirable particles):3 mg/m3	
Aluminum, insoluble compounds	21645-51-2	ACGIH	TWA(respirable fraction):1 mg/m3	A4: Not class. as human carcin
DUST, INERT OR NUISANCE	21645-51-2	OSHA	TWA(as total dust):15 mg/m3;TWA(as total dust):50 millions of particles/cu. ft.(15 mg/m3);TWA(respirable fraction):5 mg/m3;TWA(respirable fraction):15 millions of particles/cu. ft.(5 mg/m3)	
Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles	21645-51-2	ACGIH	TWA(inhalable particulates):10 mg/m3	
Particles (insoluble or poorly soluble) not otherwise specified, respirable particles	21645-51-2	ACGIH	TWA(respirable particles):3 mg/m3	
GLASS BUBBLES	65997-17-3	Manufacturer determined	TWA(as non-fibrous, respirable)(8 hours):3 mg/m3;TWA(as non-fibrous, inhalable fraction)(8 hours):10 mg/m3	
SILICA, AMORPHOUS	67762-90-7	OSHA	TWA:20 millions of particles/cu. ft.;TWA concentration:0.8 mg/m3	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended: Full Face Shield Indirect Vented Goggles

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended: Polymer laminate

When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of the following material(s) may be used:Nitrile Rubber

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

Respiratory protection

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 or full facepiece air-purifying respirator suitable for organic vapors and particulates

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Color	Yellow
Specific Physical Form:	Viscous
Odor	Low Odor
Odor threshold	No Data Available
рН	Not Applicable
Melting point	Not Applicable
Boiling Point	Not Applicable
Flash Point	>=200 °F [<i>Test Method</i> :Closed Cup]
Evaporation rate	No Data Available
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	Not Applicable

Flammable Limits(UEL)	Not Applicable
Vapor Pressure	Negligible
Vapor Density	No Data Available
Density	0.7 g/ml
Specific Gravity	0.5 - 0.7 [<i>Ref Std</i> :WATER=1]
Solubility in Water	Negligible
Solubility- non-water	No Data Available
Partition coefficient: n-octanol/ water	No Data Available
Autoignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Volatile Organic Compounds	<=1.1 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1]
VOC Less H2O & Exempt Solvents	<=1.1 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1]

SECTION 10: Stability and reactivity

10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Heat

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature exothermic reaction with production of intense heat and smoke.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Substance None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

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:

Condition

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

Dust from grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact:

May be harmful in contact with skin.

Corrosive (Skin Burns): Signs/symptoms may include localized redness, swelling, itching, intense pain, blistering, ulceration, and tissue destruction.

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

Eye Contact:

Corrosive (Eye Burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

Dust created by grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion:

Harmful if swallowed. Gastrointestinal Corrosion: Signs/symptoms may include severe mouth, throat and abdominal pain; nausea; vomiting; and diarrhea; blood in the feces and/or vomitus may also be seen.

May cause additional health effects (see below).

Additional Health Effects:

Single exposure may cause target organ effects:

Methemoglobinemia: Signs/symptoms may include headache, dizziness, nausea, difficulty breathing, and generalized weakness.

Reproductive/Developmental Toxicity:

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

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	Dermal		No data available; calculated ATE >2,000 - =5,000 mg/kg
Overall product	Inhalation- Dust/Mist(4 hr)		No data available; calculated ATE >12.5 mg/l
Overall product	Ingestion		No data available; calculated ATE >300 - =2,000 mg/kg
GLASS BUBBLES	Dermal		LD50 estimated to be > 5,000 mg/kg
GLASS BUBBLES	Ingestion		LD50 estimated to be 2,000 - 5,000 mg/kg
ALUMINA TRIHYDRATE	Dermal		LD50 estimated to be > 5,000 mg/kg
ALUMINA TRIHYDRATE	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 2.3 mg/l
ALUMINA TRIHYDRATE	Ingestion	Rat	LD50 > 5,000 mg/kg
POLY(OXYPROPYLENE)DIAMINE	Dermal	Rabbit	LD50 2,980 mg/kg
POLY(OXYPROPYLENE)DIAMINE	Ingestion	Rat	LD50 2,885 mg/kg
TRIS(2,4,6-DIMETHYLAMINOMONOMETHYL)PHENOL	Dermal	Rat	LD50 1,280 mg/kg

TRIS(2,4,6-DIMETHYLAMINOMONOMETHYL)PHENOL	Ingestion	Rat	LD50 1,000 mg/kg
EPF Epoxy Novolak	Dermal	Rat	LD50 > 2,000 mg/kg
EPF Epoxy Novolak	Ingestion	Rat	LD50 > 5,000 mg/kg
CALCIUM SALT	Ingestion	Rat	LD50 >300, <2000 mg/kg
CALCIUM SALT	Dermal	similar	LD50 > 2,000 mg/kg
		compoun	
		ds	
ZINC BORATE	Dermal	Rabbit	LD50 > 5,000 mg/kg
ZINC BORATE	Inhalation-	Rat	LC50 > 4.95 mg/l
	Dust/Mist		
ZINC BORATE	Ingestion	Rat	LD50 > 5,000 mg/kg
LIMESTONE	Dermal	Rat	LD50 > 2,000 mg/kg
LIMESTONE	Inhalation-	Rat	LC50 3 mg/l
	Dust/Mist		
	(4 hours)		
LIMESTONE	Ingestion	Rat	LD50 6,450 mg/kg
BIS[(DIMETHYLAMINO)METHYL]PHENOL	Ingestion		LD50 estimated to be 300 - 2,000 mg/kg
TREATED AMORPHOUS SILICA	Dermal	Rabbit	LD50 > 5,000 mg/kg
TREATED AMORPHOUS SILICA	Inhalation-	Rat	LC50 > 0.691 mg/l
	Dust/Mist		-
	(4 hours)		
TREATED AMORPHOUS SILICA	Ingestion	Rat	LD50 > 5,110 mg/kg
Boric Acid	Dermal	Rabbit	LD50 > 2,000 mg/kg
Boric Acid	Inhalation-	Rat	LC50 > 2.12 mg/l
	Dust/Mist		
	(4 hours)		
Boric Acid	Ingestion	Rat	LD50 3,450 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
GLASS BUBBLES	Professio	No significant irritation
	nal	
	judgeme	
	nt	
ALUMINA TRIHYDRATE	Rabbit	No significant irritation
POLY(OXYPROPYLENE)DIAMINE	Rabbit	Corrosive
TRIS(2,4,6-DIMETHYLAMINOMONOMETHYL)PHENOL	Rabbit	Corrosive
EPF Epoxy Novolak	Rabbit	Irritant
CALCIUM SALT	similar	No significant irritation
	compoun	
	ds	
ZINC BORATE	Rabbit	No significant irritation
LIMESTONE	Rabbit	No significant irritation
BIS[(DIMETHYLAMINO)METHYL]PHENOL	similar	Corrosive
	compoun	
	ds	
TREATED AMORPHOUS SILICA	Rabbit	No significant irritation
Boric Acid	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
GLASS BUBBLES	Professio	No significant irritation
	nal	
	judgeme	
	nt	
ALUMINA TRIHYDRATE	Rabbit	No significant irritation
POLY(OXYPROPYLENE)DIAMINE	Rabbit	Corrosive
TRIS(2,4,6-DIMETHYLAMINOMONOMETHYL)PHENOL	Rabbit	Corrosive
EPF Epoxy Novolak	Rabbit	No significant irritation
CALCIUM SALT	Rabbit	Corrosive
ZINC BORATE	Rabbit	Severe irritant

LIMESTONE	Rabbit	No significant irritation
BIS[(DIMETHYLAMINO)METHYL]PHENOL	similar	Corrosive
	compoun	
	ds	
TREATED AMORPHOUS SILICA	Rabbit	No significant irritation
Boric Acid	Rabbit	Mild irritant

Skin Sensitization

Name	Species	Value
ALUMINA TRIHYDRATE	Guinea	Not classified
	pig	
POLY(OXYPROPYLENE)DIAMINE	Guinea	Not classified
	pig	
TRIS(2,4,6-DIMETHYLAMINOMONOMETHYL)PHENOL	Guinea	Not classified
	pig	
EPF Epoxy Novolak	Multiple	Sensitizing
	animal	
	species	
CALCIUM SALT	similar	Not classified
	compoun	
	ds	
ZINC BORATE	Guinea	Not classified
	pig	
TREATED AMORPHOUS SILICA	Human	Not classified
	and	
	animal	
Boric Acid	Guinea	Not classified
	pig	

Respiratory Sensitization

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

Germ Cell Mutagenicity

Name	Route	Value
GLASS BUBBLES	In Vitro	Some positive data exist, but the data are not sufficient for classification
POLY(OXYPROPYLENE)DIAMINE	In Vitro	Not mutagenic
POLY(OXYPROPYLENE)DIAMINE	In vivo	Not mutagenic
TRIS(2,4,6-DIMETHYLAMINOMONOMETHYL)PHENOL	In Vitro	Not mutagenic
EPF Epoxy Novolak	In vivo	Not mutagenic
EPF Epoxy Novolak	In Vitro	Some positive data exist, but the data are not sufficient for classification
CALCIUM SALT	In Vitro	Not mutagenic
ZINC BORATE	In Vitro	Some positive data exist, but the data are not sufficient for classification
TREATED AMORPHOUS SILICA	In Vitro	Not mutagenic
Boric Acid	In Vitro	Not mutagenic
Boric Acid	In vivo	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
GLASS BUBBLES	Inhalation	Multiple	Some positive data exist, but the data are not
		animal	sufficient for classification
		species	
ALUMINA TRIHYDRATE	Not	Multiple	Not carcinogenic
	Specified	animal	
		species	
TREATED AMORPHOUS SILICA	Not	Mouse	Some positive data exist, but the data are not
	Specified		sufficient for classification
Boric Acid	Ingestion	Mouse	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
ALUMINA TRIHYDRATE	Ingestion	Not classified for development	Rat	NOAEL 768 mg/kg/day	during organogenesi s
POLY(OXYPROPYLENE)DIAMINE	Dermal	Not classified for female reproduction	Rat	NOAEL 30 mg/kg/day	premating & during gestation
POLY(OXYPROPYLENE)DIAMINE	Dermal	Not classified for male reproduction	Rat	NOAEL 30 mg/kg/day	premating & during gestation
POLY(OXYPROPYLENE)DIAMINE	Dermal	Not classified for development	Rat	NOAEL 30 mg/kg/day	premating & during gestation
CALCIUM SALT	Ingestion	Not classified for female reproduction	similar compoun ds	NOAEL 1,500 mg/kg/day	premating into lactation
CALCIUM SALT	Ingestion	Not classified for male reproduction	similar compoun ds	NOAEL 1,500 mg/kg/day	28 days
CALCIUM SALT	Ingestion	Not classified for development	similar compoun ds	NOAEL 1,500 mg/kg/day	premating into lactation
ZINC BORATE	Ingestion	Toxic to male reproduction	Rat	NOAEL 100 mg/kg/day	92 days
ZINC BORATE	Ingestion	Toxic to development	Rat	LOAEL 100 mg/kg/day	during gestation
LIMESTONE	Ingestion	Not classified for development	Rat	NOAEL 625 mg/kg/day	premating & during gestation
TREATED AMORPHOUS SILICA	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
TREATED AMORPHOUS SILICA	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
TREATED AMORPHOUS SILICA	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesi s
Boric Acid	Ingestion	Toxic to female reproduction	Rat	NOAEL 100 mg/kg/day	3 generation
Boric Acid	Ingestion	Toxic to male reproduction	Rat	NOAEL 100 mg/kg/day	3 generation
Boric Acid	Ingestion	Toxic to development	Rabbit	NOAEL 125 mg/kg/day	during organogenesi s

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
POLY(OXYPROPYLENE)DIAMINE	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
TRIS(2,4,6- DIMETHYLAMINOMON OMETHYL)PHENOL	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		NOAEL Not available	
EPF Epoxy Novolak	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL not available	
CALCIUM SALT	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
CALCIUM SALT	Ingestion	methemoglobinemi a	Causes damage to organs	Human	NOAEL Not available	environmental exposure

ZINC BORATE	Inhalation	respiratory irritation	Some positive data exist, but the	similar	NOAEL Not	
			data are not sufficient for	health	available	
			classification	hazards		
LIMESTONE	Inhalation	respiratory system	Not classified	Rat	NOAEL	90 minutes
					0.812 mg/l	
Boric Acid	Inhalation	respiratory irritation	Not classified	Human	NOAEL Not	occupational
					available	exposure
Boric Acid	Ingestion	nervous system	Not classified	Rat	NOAEL	
	-				2,000 mg/kg	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
GLASS BUBBLES	Inhalation	respiratory system	Not classified	Human	NOAEL not available	occupational exposure
TRIS(2,4,6- DIMETHYLAMINOMON OMETHYL)PHENOL	Dermal	skin liver nervous system auditory system hematopoietic system eyes	Not classified	Rat	NOAEL 125 mg/kg/day	28 days
EPF Epoxy Novolak	Ingestion	heart endocrine system gastrointestinal tract bone, teeth, nails, and/or hair hematopoietic system liver immune system nervous system eyes kidney and/or bladder respiratory system vascular system	Not classified	Rat	NOAEL 250 mg/kg/day	13 weeks
CALCIUM SALT	Ingestion	heart skin endocrine system bone, teeth, nails, and/or hair hematopoietic system liver immune system nervous system eyes kidney and/or bladder respiratory system vascular system	Not classified	similar compoun ds	NOAEL 1,500 mg/kg/day	28 days
ZINC BORATE	Inhalation	immune system respiratory system heart endocrine system hematopoietic system liver nervous system kidney and/or bladder	Not classified	Rat	NOAEL 0.15 mg/l	2 weeks
ZINC BORATE	Ingestion	endocrine system liver kidney and/or bladder heart skin bone, teeth, nails, and/or hair hematopoietic system immune system nervous system nervous system eyes respiratory system vascular system	Not classified	Rat	NOAEL 375 mg/kg/day	92 days
LIMESTONE	Inhalation	respiratory system	Not classified	Human	NOAEL Not available	occupational exposure
TREATED	Inhalation	respiratory system	Not classified	Human	NOAEL Not	occupational

AMORPHOUS SILICA		silicosis			available	exposure
Boric Acid	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 100 mg/kg/day	2 years
Boric Acid	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 400 mg/kg/day	45 days
Boric Acid	Ingestion	heart endocrine system bone, teeth, nails, and/or hair liver nervous system respiratory system	Not classified	Rat	NOAEL 334 mg/kg/day	2 years

Aspiration Hazard

Name	Value
POLY(OXYPROPYLENE)DIAMINE	Some positive data exist, but 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

Ecotoxicological information

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

SECTION 13: Disposal considerations

13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

EPA Hazardous Waste Number (RCRA): D002 (Corrosive)

SECTION 14: Transport Information

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

SECTION 15: Regulatory information

15.1. US Federal Regulations

Contact 3M for more information.

EPCRA 311/312 Hazard Classifications:

Physical Hazards	
Corrosive to metal	
Iealth Hazards	
Acute toxicity	
Iazard Not Otherwise Classified (HNOC)	
eproductive toxicity	
Respiratory or Skin Sensitization	
erious eye damage or eye irritation	
kin Corrosion or Irritation	
pecific target organ toxicity (single or repeated exposure)	

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

Ingredient	<u>C.A.S. No</u>	<u>% by Wt</u>		
CALCIUM SALT (NITRATE COMPOUNDS	13477-34-4	Trade Secret	1 -	10
(WATER DISSOCIABLE; REPORTABLE ONLY				
WHEN IN AQUEOUS SOLUTION))				
ZINC BORATE (ZINC COMPOUNDS)	1332-07-6	Trade Secret	1 -	5

15.2. State Regulations

Contact 3M for more information.

15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

15.4. International Regulations

Contact 3M for more information.

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

SECTION 16: Other information

NFPA Hazard Classification

Health: 3 Flammability: 1 Instability: 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.

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