

Safety Data Sheet

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78.00 **Document Group:** 10-2507-1 **Version Number:** 02/06/15 **Issue Date: Supercedes Date:** 11/23/11

SECTION 1: Identification

1.1. Product identifier

3MTM Scotch-WeldTM Structural Adhesive Film AF 163-2

Product Identification Numbers

 $62-0080-5305-0, \, 62-0080-5306-8, \, 62-0187-0120-1, \, 62-0187-0155-7, \, 62-0187-0455-1, \, 62-0187-0835-4, \, 62-0187-1005-3, \, 62-0187-0120-1, \, 62-0187-0120-1, \, 62-0187-0155-7, \, 62-0187-0455-1, \, 62-0187-0835-4, \, 62-0187-0105-3, \, 62-0187-0120-1, \, 62-0187-01$ 0187-1105-1, 62-0187-1500-3, 62-0187-1600-1, 62-0187-1685-2, 62-0187-1701-7, 62-0187-1736-3, 62-0187-1750-4, 62-0187-1850-4, 62-0187-1850-4, 62-0187-1850-4, 62-0187-1850-4, 62-0180-4, 62-0180-4, 62-0180-4, 62-0180-4, 62-0180-4, 62-0180-4, 0187-2125-8, 62-0187-2405-4, 62-0187-2505-1, 62-0187-2507-7, 62-0187-2850-1, 62-0187-2920-2, 62-0187-3905-2, 62-0187-2920-2, 62-0187-200-2, 62-0187-200-2, 62-0187-200-2, 62-0187-200-2, 62-0187-200-2, 62-0187-200-2, 62-0187-200-2, 62-0187-200-2, 62-0187-200-2, 62-0187-200-2, 62-0187-200-0187 - 4205 - 6, 62 - 0187 - 4505 - 9, 62 - 0187 - 4506 - 7, 62 - 0187 - 4805 - 3, 62 - 0187 - 5308 - 7, 62 - 0187 - 5309 - 5, 62 - 0187 - 5310 - 3, 62 - 0187 - 3010 - 3, 62 - 01870187-5345-9, 62-0187-5349-1, 62-0187-6005-8, 62-0189-5305-9, 62-0189-5306-7, 62-0197-0135-8, 62-0197-0305-7, 62-0189-5306-7, 62-0189-7, 62-0180197-2205-7, 62-0197-2895-5, 62-0197-3907-7, 62-0197-5305-2, 62-0197-5309-4, 62-2623-4805-5, 62-2623-4825-3, 62-2623-4825-2623-6009-2, 62-3042-5306-5, 62-3042-6003-7, 62-3042-6009-4, 62-3064-0305-6, 62-3064-0805-5, 62-3064-3905-0, 62-3064-4506-5, 62-3064-4805-1, 62-3064-5305-1, 62-3064-5306-9, 62-3064-5309-3, 62-3077-6005-8, 62-3087-3905-1, 62-3064-5306-9, 62-3064-5309-3, 62-3077-6005-8, 62-3087-3905-1, 62-3064-5306-9, 62-3064-5309-3, 62-3077-6005-8, 62-3087-3905-1, 62-3064-5306-9, 62-3064-5309-3, 62-3077-6005-8, 62-3087-3905-1, 62-3064-5306-9, 62-3064-5309-3, 62-3077-6005-8, 62-3087-3905-1, 62-3064-5306-9, 62-3064-5309-3, 62-3077-6005-8, 62-3087-3905-1, 62-3064-5306-9, 62-3064-5309-3, 62-3064-5306-8, 62-3087-3905-1, 62-3064-5306-9, 62-3064-5306-9, 62-3064-5306-8, 62-3064-8, 62-306-8, 62-306-8, 62-606-8, 62-606-8, 62-606-8, 62-606-8, 62-606-8, 62-606-8, 3087-4356-6, 62-3087-4505-8, 62-3087-5305-2, 62-3087-5309-4, 62-3087-6009-9, 62-3137-5305-5, 62-3137-5306-3, 62-3146-0155-0, 62-3146-0355-6, 62-3146-1205-2, 62-3146-5306-4, 62-3146-5307-2, 62-3146-5309-8, 62-3147-5306-2, 62-3146-5307-2, 62-3146-5309-8, 62-3147-5306-2, 62-3146-5307-2, 62-3146-5309-8, 62-3147-5306-2, 62-3146-5307-2, 62-3146-5307-2, 62-3146-5309-8, 62-3147-5306-2, 62-3146-5307-2, 62-3147-5306-2, 62-3147-5307-2, 62-3147 3147-5309-6, 62-3162-0305-8, 62-3162-0555-8, 62-3162-5306-1, 62-3162-5309-5, 62-3189-2205-1, 62-3189-4505-2, 62-3162-5309-5, 62-3162-0305-8, 62-3162-0555-8, 62-3162-5306-1, 62-3162-5309-5, 62-3189-2205-1, 62-3189-4505-2, 62-3162-5309-5, 62-3162-5309-5, 62-3189-2205-1, 62-3189-4505-2, 62-3162-5309-5, 62-3162-5309-5, 62-3162-5309-5, 62-3189-2205-1, 62-3189-4505-2, 62-3162-5309-5, 62-3162-5309-5, 62-3189-2205-1, 62-3189-4505-2, 62-3162-5309-5, 62-3189-2205-1, 62-3189-4505-2, 62-3189-2, 62-3180-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 62-2, 6 3189-5301-5, 62-3189-5302-3, 62-3189-5309-8, 62-3189-6005-1, 62-3189-6255-2, 62-3190-0305-9, 62-3190-1005-4, 62-3189-6205-1, 62-3189-6205-3190-5302-1, 62-3190-5303-9, 62-3190-5309-6, 62-3192-0455-8, 62-3192-3905-9, 62-3192-5300-1, 62-3192-5305-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3192-5300-0, 62-3190-0, 62-3190-0, 62-3190-0, 62-3190-0, 62-3190-0, 623192-5309-2, 87-2500-0336-2, 87-2500-0390-9, 87-2500-0391-7, 87-2500-0393-3, 87-3300-0007-3, 87-3300-0008-1, 87-3300-0013-1, 87-3300-0014-9, 87-3300-0015-6, 87-3300-0019-8, 87-3300-0020-6, 87-3300-0021-4, 87-3300-0028-9, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-300-0018-1, 87-3300-0029-7, 87-3300-0042-0, 87-3300-0043-8

1.2. Recommended use and restrictions on use

Recommended use

Adhesive

1.3. Supplier's details

MANUFACTURER: 3M

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

1.4. Emergency telephone number

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

SECTION 2: Hazard identification

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2.1. Hazard classification

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label elements

Signal word

Not applicable.

Symbols

Not applicable.

Pictograms

Not applicable.

2.3. Hazards not otherwise classified

None.

67% of the mixture consists of ingredients of unknown acute dermal toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Polymeric Epoxy Reaction Product (M.W. >700)	Trade Secret*	40 - 70
Epoxy Resin	1675-54-3	10 - 30 Trade Secret *
Epoxy Resin	25068-38-6	3 - 7 Trade Secret *
Dicyandiamide	461-58-5	3 - 7
N,N'-(Methyl-1,3-Phenylene)bis(N',N'-Dimethylurea)	17526-94-2	0.5 - 1.5
3-(Trimethoxysilyl)Propyl Glycidyl Ether	2530-83-8	0.1 - 1
Adipic Dihydrazide	1071-93-8	< 1 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.

Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye Contact:

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, 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

See Section 11.1. Information on toxicological effects.

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.

Candition

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Cubatana

Hazardous Decomposition or By-Products

Substance	Condition
Aldehydes	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion
Hydrogen Cyanide	During Combustion
Ammonia	During Combustion
Oxides of Nitrogen	During Combustion

5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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.

6.3. Methods and material for containment and cleaning up

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial or professional use only. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat.

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
3-(Trimethoxysilyl)Propyl	2530-83-8	CMRG	TWA:5 ppm	
Glycidyl Ether				

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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

Curing enclosures must be exhausted to outdoors or to a suitable emission control device. 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

None required.

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.

Gloves made from the following material(s) are recommended: Butyl Rubber

Polymer laminate

Respiratory protection

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Physical Form: Solid **Specific Physical Form:** Film

Red, odorless Odor, Color, Grade: Odor threshold No Data Available Not Applicable pΗ **Melting point** No Data Available **Boiling Point** Not Applicable **Flash Point** No flash point Not Applicable **Evaporation rate** Not Classified Flammability (solid, gas) Flammable Limits(LEL) Not Applicable Not Applicable Flammable Limits(UEL) Not Applicable **Vapor Pressure** Not Applicable **Vapor Density Density** No Data Available **Specific Gravity** No Data Available

Solubility in Water Nil

Solubility- non-water No Data Available Partition coefficient: n-octanol/ water Not Applicable **Autoignition temperature** Not Applicable **Decomposition temperature** No Data Available Viscosity Not Applicable

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Percent volatile

Negligible

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

10.5. Incompatible materials

Amines

10.6. Hazardous decomposition products

Substance

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:

No health effects are expected.

Skin Contact:

Prolonged or repeated exposure may cause:

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

Eye Contact:

Contact with the eyes during product use is not expected to result in significant irritation.

Physical Blockage: Signs/symptoms may include cramping, abdominal pain, and constipation.

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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 > 5,000 mg/kg
Overall product	Ingestion		No data available; calculated ATE > 5,000 mg/kg
Epoxy Resin	Dermal	Rat	LD50 > 1,600 mg/kg
Epoxy Resin	Ingestion	Rat	LD50 > 1,000 mg/kg
Epoxy Resin	Dermal	Rat	LD50 > 1,600 mg/kg
Epoxy Resin	Ingestion	Rat	LD50 > 1,000 mg/kg
Dicyandiamide	Dermal	Rabbit	LD50 > 10,000 mg/kg
Dicyandiamide	Ingestion	Rat	LD50 > 30,000 mg/kg
N,N'-(Methyl-1,3-Phenylene)bis(N',N'-Dimethylurea)	Dermal	Rat	LD50 > 2,000 mg/kg
N,N'-(Methyl-1,3-Phenylene)bis(N',N'-Dimethylurea)	Ingestion	Rat	LD50 > 2,000 mg/kg
Adipic Dihydrazide	Ingestion	Mouse	LD50 > 5,000 mg/kg
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Dermal	Rabbit	LD50 4,000 mg/kg
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Inhalation-	Rat	LC50 > 5.3 mg/l
	Dust/Mist		
	(4 hours)		
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Ingestion	Rat	LD50 7,010 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Overall product	Multiple	Minimal irritation
	animal	
	species	
Epoxy Resin	Rabbit	Mild irritant
Epoxy Resin	Rabbit	Mild irritant
Dicyandiamide	Human	Minimal irritation
	and	
	animal	
N,N'-(Methyl-1,3-Phenylene)bis(N',N'-Dimethylurea)	Rabbit	No significant irritation
Adipic Dihydrazide	Rabbit	No significant irritation
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Rabbit	Mild irritant

Serious Eye Damage/Irritation

Name	Species	Value
Epoxy Resin	Rabbit	Moderate irritant
Epoxy Resin	Rabbit	Moderate irritant
Dicyandiamide	Professio	Mild irritant
	nal	
	judgeme	
	nt	
N,N'-(Methyl-1,3-Phenylene)bis(N',N'-Dimethylurea)	Rabbit	No significant irritation
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Rabbit	Corrosive

Skin Sensitization

Name	Species	Value
Overall product	Guinea	Not sensitizing
	pig	
Epoxy Resin	Human	Sensitizing
	and	
	animal	
Epoxy Resin	Human	Sensitizing
	and	
	animal	
Dicyandiamide	Guinea	Some positive data exist, but the data are not
	pig	sufficient for classification
Adipic Dihydrazide	Guinea	Sensitizing

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	pig	
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Guinea	Some positive data exist, but the data are not
	pig	sufficient for classification

Respiratory Sensitization

Name	Species	Value
Epoxy Resin	Human	Some positive data exist, but the data are not sufficient for classification
Epoxy Resin	Human	Some positive data exist, but the data are not sufficient for classification

Germ Cell Mutagenicity

Name	Route	Value		
Epoxy Resin	In vivo	Not mutagenic		
Epoxy Resin	In Vitro	Some positive data exist, but the data are not sufficient for classification		
Epoxy Resin	In vivo	Not mutagenic		
Epoxy Resin	In Vitro	Some positive data exist, but the data are not sufficient for classification		
Dicyandiamide	In Vitro	Not mutagenic		
Adipic Dihydrazide	In vivo	Not mutagenic		
3-(Trimethoxysilyl)Propyl Glycidyl Ether	In vivo	Not mutagenic		
3-(Trimethoxysilyl)Propyl Glycidyl Ether	In Vitro	Some positive data exist, but the data are not sufficient for classification		

Carcinogenicity

Name	Route	Species	Value
Epoxy Resin	Dermal	Mouse	Some positive data exist, but the data are not
			sufficient for classification
Epoxy Resin	Dermal	Mouse	Some positive data exist, but the data are not
			sufficient for classification
Dicyandiamide	Ingestion	Rat	Not carcinogenic
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Dermal	Mouse	Not carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
Epoxy Resin	Ingestion	Not toxic to female reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
Epoxy Resin	Ingestion	Not toxic to male reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
Epoxy Resin	Dermal	Not toxic to development	Rabbit	NOAEL 300 mg/kg/day	during organogenesi s
Epoxy Resin	Ingestion	Not toxic to development	Rat	NOAEL 750 mg/kg/day	2 generation
Epoxy Resin	Ingestion	Not toxic to female reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
Epoxy Resin	Ingestion	Not toxic to male reproduction	Rat	NOAEL 750 mg/kg/day	2 generation
Epoxy Resin	Dermal	Not toxic to development	Rabbit	NOAEL 300 mg/kg/day	during organogenesi s
Epoxy Resin	Ingestion	Not toxic to development	Rat	NOAEL 750 mg/kg/day	2 generation
Dicyandiamide	Ingestion	Not toxic to female reproduction	Rat	NOAEL 1,000 mg/kg/day	premating & during gestation
Dicyandiamide	Ingestion	Not toxic to male reproduction	Rat	NOAEL 1,000 mg/kg/day	44 days

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Dicyandiamide	Ingestion	Not toxic to development	Rat	NOAEL	premating &
		_		1,000	during
				mg/kg/day	gestation
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Ingestion	Not toxic to female reproduction	Rat	NOAEL	1 generation
				1,000	
				mg/kg/day	
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Ingestion	Not toxic to male reproduction	Rat	NOAEL	1 generation
				1,000	
				mg/kg/day	
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Ingestion	Some positive developmental data exist,	Rat	NOAEL	during
		but the data are not sufficient for		3,000	organogenesi
		classification		mg/kg/day	S

Target Organ(s)

Specific Target Organ Toxicity - single exposure

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

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Epoxy Resin	Dermal	liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,000 mg/kg/day	2 years
Epoxy Resin	Dermal	nervous system	All data are negative	Rat	NOAEL 1,000 mg/kg/day	13 weeks
Epoxy Resin	Ingestion	auditory system heart endocrine system hematopoietic system liver eyes kidney and/or bladder	All data are negative	Rat	NOAEL 1,000 mg/kg/day	28 days
Epoxy Resin	Dermal	liver	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,000 mg/kg/day	2 years
Epoxy Resin	Dermal	nervous system	All data are negative	Rat	NOAEL 1,000 mg/kg/day	13 weeks
Epoxy Resin	Ingestion	auditory system heart endocrine system hematopoietic system liver eyes kidney and/or bladder	All data are negative	Rat	NOAEL 1,000 mg/kg/day	28 days
Dicyandiamide	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 6,822 mg/kg/day	13 weeks
3-(Trimethoxysilyl)Propyl Glycidyl Ether	Ingestion	heart endocrine system bone, teeth, nails, and/or hair hematopoietic system liver immune system nervous system kidney and/or bladder respiratory system	All data are negative	Rat	NOAEL 1,000 mg/kg/day	28 days

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.

EPA Hazardous Waste Number (RCRA): Not regulated

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.

311/312 Hazard Categories:

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

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.

Contact 3M for more information.

15.4. International Regulations

Contact 3M for more information.

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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: 1 Flammability: 1 Instability: 1 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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 Supercedes Date:
 11/23/11

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