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MATERIAL SAFETY DATA SHEET

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This MSDS has been prepared by 3M Australia Pty Ltd Toxicology Dept.

1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME
3M(TM) Fire Barrier Duct Wrap 615+

DIVISION
ND - Building & Commercial Services Division

3M Product ID
98-0400-5612-3, 98-0400-5613-1

RECOMMENDED USE: Passive Fire Protection. For industrial or professional use only.

2 HAZARDS IDENTIFICATION

NOTE: This product is an article and therefore not classified as Hazardous or Not Hazardous according to the NATIONAL MODEL REGULATIONS FOR THE CONTROL OF WORKPLACE HAZARDOUS SUBSTANCES [NOHSC:1005(1994)].

POISONS SCHEDULE
Not applicable.

3 COMPOSITION

Ingredient Name	CAS number	Percentage
SYNTHETIC FIBERS, CERAMIC FIBER MAT	329211-92-9	> 95

4 FIRST AID MEASURES

EYE CONTACT

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

SKIN CONTACT

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

INHALATION

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

IF SWALLOWED

No need for first aid is anticipated.

5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Non combustible. Choose material suitable for surrounding fire.

FIRE FIGHTING PROCEDURES

Wear full protective equipment (Turnout Gear) and a self-contained breathing apparatus (SCBA).

Combustion Products from Fire

Combustion Products from Fire are listed in Section 10, STABILITY AND REACTIVITY.

Unusual Reaction Hazard

None

Special Instructions for Fire Fighting

Not applicable.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions
Not applicable.

Environmental Procedures
Not applicable.

Methods for cleaning up
Not applicable.

Methods for Disposal
Not applicable.

7 HANDLING AND STORAGE

Incompatibility - Materials to Avoid
Store away from acids.

Precautions for Safe Handling
Avoid breathing of dust created by cutting, sanding, grinding or machining.

Conditions for Safe Storage
Refer to Incompatibility - Materials to Avoid.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Special Information, Exposure/Protection

The extent to which the following recommendations for exposure control and protection are observed should depend on the risk assessment undertaken for the specific conditions under which this product is used, including occupational hygiene measurements.

Eye Protection

Select and use eye protection in accordance with AS/NZS 1336. Eye protection should comply with the performance specifications of AS/NZS 1337.

Avoid eye contact.

The following should be worn alone or in combination, as appropriate, to prevent eye contact: Safety glasses with side shields. Indirect Vented goggles.

Hand Protection

Gloves not normally required. The following glove material(s) are recommended: Neoprene; Nitrile rubber.

Skin Protection

Avoid prolonged or repeated skin contact.

Respiratory Protection

Avoid breathing of airborne material. Avoid breathing of dust created by cutting, sanding, grinding or machining. Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations: Half facepiece or full facepiece air-purifying respirator suitable for particulates.

Select and use respirators according to AS/NZS 1715. Respirators should comply with AS/NZS 1716 performance specifications. For information about respirators, call 3M on 1800 024 464.

Prevention of Accidental Ingestion

Not applicable.

Recommended Ventilation

Provide ventilation adequate to control dust concentrations below recommended exposure limits and/or control dust. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protective equipment.

9 PHYSICAL/CHEMICAL PROPERTIES

Appearance and Odour	Solid. Grey-green, odourless material with a wool type appearance.
pH	Not applicable
Boiling point	Not applicable
Melting point	Not applicable
Flash point	Not applicable
Autoignition temperature	Not applicable

Water Solubility	Negligible
Specific gravity	2.5 - 3 (Water=1)
Vapour density	Not applicable
Flammable Limits - LEL	Not applicable
Flammable Limits - UEL	Not applicable
Percent Volatile	0 %

10 STABILITY AND REACTIVITY

Materials to Avoid
Strong Acids.

Conditions to Avoid
None known.

Hazardous Decomposition Products
Carbon Monoxide. Carbon Dioxide.

Stability
Hazardous polymerisation will not occur. Stable.

11 TOXICOLOGICAL INFORMATION

Effects from Eye Contact
Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion. 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.

Effects from Skin Contact
Mechanical skin irritation: Signs/symptoms may include abrasion, redness, pain and itching.

Effects from Inhalation
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. Dust from cutting, grinding, sanding or machining may cause target organ effects.

Effects from Ingestion
No health effects are expected.

12 ECOLOGICAL INFORMATION

Ecotoxicity Data
Not determined.

Ecofate Data
Not determined.

13 DISPOSAL CONSIDERATIONS

Product as Sold
Dispose of waste product in a sanitary landfill. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

14 TRANSPORT INFORMATION

ADG (Road/Rail)

UN NUMBER	NONE ALLOCATED
PROPER SHIPPING NAME	NONE ALLOCATED
DANGEROUS GOODS CLASS	NONE ALLOCATED
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	NONE ALLOCATED

IATA (Airfreight)

UN NUMBER	NONE ALLOCATED
PROPER SHIPPING NAME	NONE ALLOCATED

DANGEROUS GOODS CLASS	NONE ALLOCATED
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	NONE ALLOCATED

IMDG (Seafreight)

UN NUMBER	NONE ALLOCATED
PROPER SHIPPING NAME	NONE ALLOCATED
DANGEROUS GOODS CLASS	NONE ALLOCATED
SUBSIDIARY RISK	NONE ALLOCATED
PACKING GROUP	NONE ALLOCATED

IMDG SPECIAL INSTRUCTIONS:

15 REGULATORY INFORMATION

Product Certifications
AICS - Exempt: Article.

16 OTHER INFORMATION

REASON FOR REISSUE
Initial Issue.

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