

MATERIAL SAFETY
DATA SHEET**3M**

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DIVISION: DO-IT-YOURSELF/CONSTRUCTION MARKETS DIV
TRADE NAME:
3M FIRE BARRIER FS-195+, CS-195+ AND FIS-195+ PRODUCTS

ID NUMBER/U.P.C.:	42-0009-9720-7	-	-	-	42-0009-9721-5	-	-	-
	42-0009-9722-3	-	-	-	42-0011-1365-5	-	-	-
	42-0011-1366-3	-	-	-	42-0011-1367-1	-	-	-
	44-0007-0822-0	-	-	-	44-0007-0823-8	-	-	-
	44-0007-0824-6	-	-	-	44-0028-0019-9	-	-	-
	44-0028-0020-7	-	-	-	44-0028-0021-5	-	-	-
	98-0400-2043-4	00-51115-05029-9			98-0400-2044-2	00-51115-05030-5		
	98-0400-2219-0	00-51115-07112-6			98-0400-2220-8	00-51115-07113-3		
	98-0400-2221-6	00-51115-07114-0			98-0400-2222-4	00-51115-07115-7		
	98-0400-2256-2	00-51115-07167-6			98-0400-2404-8	00-51115-07219-2		
	98-0400-2405-5	00-51115-07221-5			98-0400-2406-3	00-51115-07223-9		
	98-0400-2407-1	00-51115-07220-8			98-0400-2408-9	00-51115-07222-2		
	98-0400-2409-7	00-51115-07224-6			98-0400-2599-5	00-51115-07453-0		
	98-0400-2600-1	00-51115-07454-7			98-0400-2601-9	00-51115-07437-0		
	98-0400-2704-1	00-51125-07817-7			98-0400-2705-8	00-51125-07818-4		
	98-0400-2928-6	00-51115-08239-9			98-0400-5226-2	00-51115-08314-3		
	98-0400-5237-9	00-51115-08355-6						

ISSUED: DECEMBER 3, 1997
SUPERSEDES: JULY 15, 1997
DOCUMENT: 05-4723-2

1. INGREDIENT	C.A.S. NO.	PERCENT
Hydrated Sodium Silicate	6834-92-0	50.0 - 65.0
CHLOROPRENE RUBBER	9010-98-4	20.0 - 30.0
Endothermic Filler	21645-51-2	4.0 - 10.0
Plasticizer	64742-53-6	3.0 - 10.0
Vulcanizer	1314-13-2	1.0 - 3.0
Iron Oxide	1309-37-1	1.0 - 5.0

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:
Vulcanizer

2. PHYSICAL DATA

BOILING POINT:..... N/A
VAPOR PRESSURE:..... N/A
VAPOR DENSITY:..... N/A
EVAPORATION RATE:..... N/A

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5. ENVIRONMENTAL INFORMATION (continued)

VOC Less H2O & Exempt Solvents: N/A.

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

EPCRA HAZARD CLASS:**FIRE HAZARD:** No **PRESSURE:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes**6. SUGGESTED FIRST AID****EYE CONTACT:**

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

No need for first aid is anticipated.

7. PRECAUTIONARY INFORMATION**EYE PROTECTION:**

Wear goggles when sawing the product.

SKIN PROTECTION:

Wash thoroughly after sawing or handling the sawn product to remove dust from skin.

VENTILATION PROTECTION:

Provide ventilation sufficient to keep dust, vapor and fume concentrations below recommended exposure limits when sawing the product. If ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid breathing of dust created by cutting, sanding or grinding.

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating.

RECOMMENDED STORAGE:

Not determined.

FIRE AND EXPLOSION AVOIDANCE:

Not applicable.

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7. PRECAUTIONARY INFORMATION (CONTINUED)

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
Hydrated Sodium Silicate	NONE	NONE	NONE	NONE	
CHLOROPRENE RUBBER	NONE	NONE	NONE	NONE	
Endothermic Filler	NONE	NONE	NONE	NONE	
Plasticizer	5	mg/m ³	TWA	CMRG	
Vulcanizer	10	mg/m ³	TWA	ACGIH	
		as dust			
Vulcanizer	10	mg/m ³	TWA	OSHA	
		as dust			
Vulcanizer	5	mg/m ³	TWA	ACGIH	
		as FUME			
Vulcanizer	10	mg/m ³	STEL	ACGIH	
		as FUME			
Vulcanizer	5	mg/m ³	TWA	OSHA	
		as FUME			
Vulcanizer	10	mg/m ³	STEL	OSHA	
		as FUME			
Iron Oxide	5	mg/m ³	TWA	ACGIH	
		as Fe			
Iron Oxide	10	mg/m ³	TWA	OSHA	
		as fume			
Iron Oxide	5	mg/m ³	TWA	ACGIH	
		as Fe			

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level G
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA**EYE CONTACT:**

Mechanical eye irritation: signs/symptoms can include irritation, redness, scratching of the cornea and tearing.

SKIN CONTACT:

Mechanical skin irritation: signs/symptoms can include itching and redness.

INHALATION:

Single overexposure, above recommended guidelines, may cause:

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8. HEALTH HAZARD DATA (continued)

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Blood disorders: signs/symptoms can include prolonged weakness and fatigue.

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

Chemical Pneumonitis: signs/symptoms include coughing, shortness of breath and wheezing.

Emphysema: signs/symptoms can include persistent coughing and shortness of breath.

Fibrosis (general): signs/symptoms can include shortness of breath and persistent coughing.

Pneumoconiosis (general): signs/symptoms can include persistent coughing and shortness of breath.

Lung Damage: signs/symptoms can include coughing, difficulty breathing, wheezing, tightness in chest, congestion, and coughing up of blood.

Pulmonary Edema: signs/symptoms can include coughing, congestion, difficulty breathing, which can result in respiratory failure and death.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

OTHER HEALTH HAZARD INFORMATION:

NOTE: ALL OF THE HEALTH EFFECTS LISTED ABOVE RELATE TO EXPOSURE TO DUST AND AIRBORNE EMISSIONS CREATED WHEN THE PRODUCT IS CUT WITH POWER SAWS. THE UNCUT PRODUCT IS NOT EXPECTED TO POSE A HEALTH HAZARD.

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SECTION CHANGE DATES

ENVIRON. DATA SECTION CHANGED SINCE JULY 15, 1997 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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