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Material Safety Data Sheet

Document id : 10-8670-1 Issue date : 12/16/2004
 Version : 10.00 Supersedes date : 02/15/2002

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1 Product Identification

Tradename:

3M FIRE BARRIER CS-195 COMPOSITE SHEET (IND) (INACTIVE)

Product ID:

80-0000-0499-6 80-6101-0782-5 80-6101-3504-0 98-0400-0414-9
 98-0400-0415-6 98-0400-0416-4 98-0400-0776-1 98-0400-0883-5
 98-0400-1041-9 98-0400-1045-0 98-0400-1446-0 98-0400-2433-7

Intended Use of Product:

Fire Protection

Division:

SPECIFIED CONSTRUCTION PRODUCTS

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
SILICATE SALTS (BOUND)	None	30.0 - 40.0
METAL FOILS AND WIRES	None	20.0 - 30.0
SYNTHETIC RUBBER (BOUND)	None	10.0 - 20.0
CRYSTALLINE SILICA (BOUND)	14808-60-7	5.0 - 10.0
DI(2-ETHYLHEXYL) PHTHALATE (BOUND)	117-81-7	5.0 - 10.0
SYNTHETIC RESINS (BOUND)	9003-35-4	< 5.0
LEAD TETROXIDE (BOUND)	1314-41-6	0.1 - 1.0

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3 Hazards Identification

Critical Hazards:

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

WARNING:

Contains a chemical which can cause cancer. (14808-60-7) (NTP known human carcinogen, IARC human carcinogen 1, Calif. Proposition 65)

See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

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

Instructions for Skin Contact:

Wash affected area with soap and water.

Instructions for Inhalation:

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

Instructions for Ingestion:

Do not induce vomiting. Drink two glasses of water. Call a physician.

5 Fire Fighting Measures

Flash point: Not applicable

Lower Explosive Limit (%): Not applicable

Upper Explosive Limit (%): Not applicable

Autoignition temperature: Not Available.

Suitable Extinguishing Media:

Water; Carbon Dioxide; Dry chemical; Foam;

Exposure Hazards during Fire:

No data available.

Combustion Products from Fire:

Carbon monoxide and carbon dioxide; oxides of lead; crystalline silica; A detailed summary of decomposition products is available.

Fire Fighting Procedures:

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.

Special Instructions:

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None known.

6 Accidental Release Measures

Personal Precautions:

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.

Spill Response:

Collect as much of the spilled material as possible.

Methods for Disposal:

Dispose of waste product in a sanitary landfill.

7 Handling and Storage

Storage Requirements:

No data available.

Incompatible Materials:

None known.

Ventilation:

No data available.

Fire Prevention:

Not applicable.

Use Instructions:

This product, when used under reasonable conditions or in accordance with the 3M directions for use, should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact.

Skin Protection:

Avoid prolonged or repeated skin contact of grinding dust.

Respiratory Protection:

Avoid breathing of dust created by cutting, sanding, grinding or machining. Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with

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regulations: half-mask dust respirator; full-face dust respirator;
Ingestion (Prevention):

Do not ingest. Keep out of the reach of children.

Recommended Ventilation:

Provide appropriate local exhaust for cutting, grinding, sanding or machining. Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

Ingredient Exposure Data

SILICATE SALTS (BOUND) (None)

Specific Ingredient Data: No data available.

LD50 (rat, oral)

: No data available.

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits

: No data available.

METAL FOILS AND WIRES (None)

Specific Ingredient Data: No data available.

LD50 (rat, oral)

: No data available.

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits

: No data available.

SYNTHETIC RUBBER (BOUND) (None)

Specific Ingredient Data: No data available.

LD50 (rat, oral)

: No data available.

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits

: No data available.

CRYSTALLINE SILICA (BOUND) (14808-60-7)

LD50 (rat, oral)

: No data available.

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits: ACGIH: TWA 0.05 mg/m3 (Respirable) (Table A2)

DI(2-ETHYLHEXYL) PHTHALATE (BOUND) (117-81-7)

LD50 (rat, oral): 30 g/kg

LC50 (rat, inhalation/4 hours)

: No data available.

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Exposure Limits: ACGIH: TWA 5 mg/m3 (Table A3)
SYNTHETIC RESINS (BOUND) (9003-35-4)

Specific Ingredient Data: No data available.

LD50 (rat, oral): >5 g/kg

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits

: No data available.

LEAD TETROXIDE (BOUND) (1314-41-6)

Specific Ingredient Data: No data available.

LD50 (rat, oral)

: No data available.

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits: 0.05 mg/m³ ACGIH: TWA (specific form) as Pb;

Category: LEAD, INORGANIC COMPOUNDS (Table A3)

9 Physical and Chemical Properties

Physical form,Color,Odour:	Article with foil on one side and galvanized steel on the other. rust coloured rubber; slight, sharp odour;
Odour Threshold:	No data available.
pH:	Not applicable
Boiling point/boiling range:	Not applicable
Melting point/melting range:	Not Available.
Vapour pressure:	Not applicable
Water Solubility:	Insoluble.
Specific gravity:	1.54
Vapour density:	Not applicable
Volatile organic compounds:	Not Available.
Evaporation rate:	Not applicable
Viscosity:	Not applicable
Percent Volatile:	No data available.

10 Stability and Reactivity

Conditions to Avoid:

None known.

Materials to Avoid:

None known.

Hazardous Decomposition:

Carbon monoxide and carbon dioxide; oxides of lead; crystalline silica; A detailed summary of decomposition products is available.

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Stability and Reactivity:

Stable. Hazardous polymerization will not occur.

11 Toxicological Information

Effects from Eye Contact:

Mechanical eye irritation: Signs/symptoms can include pain, redness, tearing and corneal abrasion.

Effects from Skin Contact:

Mechanical skin irritation: Signs/symptoms can 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.

Effects from Ingestion:

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

Sensitization Information:

No data available.

Carcinogenicity:

WARNING: Contains a chemical which can cause cancer. (117-81-7) (NTP anticipated human carcinogen, Calif. Proposition 65) WARNING: Contains a chemical which can cause cancer. (14808-60-7) (NTP known human carcinogen, IARC human carcinogen 1, Calif. Proposition 65) WARNING: Contains a chemical which can cause cancer. (Lead Compounds) (Calif. Proposition 65) WARNING: Contains a chemical which can cause cancer. (1314-41-6) (IARC possible human carcinogen 2B - Inorganic Lead Compounds, ACGIH animal carcinogen A3 - Inorganic Lead Compounds - Lead Compounds)

Mutagenicity:

No data available.

Reproductive Effects:

WARNING: Contains a chemical which can cause birth defects, reproductive harm, and developmental effects. (1314-41-6)

Component Based Information:

No data available.

Product Based Information:

No data available.

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12 Ecological Information

Environmental Data:

Ecotoxicity Data:

No data available.

Ecofate Data:

Other Effects and Information:

No adverse environmental effects anticipated under normal usage and disposal.

13 Disposal Considerations

Product as Sold:

No data available.

Product Packaging:

No data available.

Potential for Recycling:

Reclaim if feasible.

Special Instructions:

Since regulations vary, consult applicable regulations or authorities before disposal.
-----14 Transportation Information
-----Transportation of Dangerous Goods

TDG Classification: Non-Regulated Material

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification: Not Controlled

NOTE:

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

Product Certifications:

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

DSL - Domestic Substances List (Canada)

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16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:
Update Tradename (Obsolete product)

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