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Material Safety Data Sheet

Document id : 16-4519-1 Issue date : 15/07/2005
 Version : 2.00 Supersedes date : 22/07/2002

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1 Product Identification

Tradename:
 FIREDAM (TM) SPRAY 100
 Product ID:
 42-0016-4733-0 98-0400-5425-0
 Intended Use of Product:
 FIRE RETARDANT
 Division:
 Consumer Safety and Light Management

2 Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage
WATER	7732-18-5	45 - 55
CHLOROPRENE-METHACRYLIC ACID COPOLYMER	25053-30-9	20 - 30
POLYMER	Trade Secret	15 - 25
POLYOXYETHYLENE MONOOCTYLPHENYL ETHER	9036-19-5	0.5 - 1.5

NOTE:

POLYMER NOT SOLUBLE is a non-hazardous Trade Secret material according to WHMIS criteria.
 Each percentage is expressed as the

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ratio of the weight of the ingredient to the weight of the controlled product.

3 Hazards Identification

Critical Hazards:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Moderate Skin

Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

See Sections 7 and 11 for further information.

4 First Aid Measures

Instructions for Eye Contact:

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

Instructions for Skin Contact:

Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Instructions for Inhalation:

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

Instructions for Ingestion:

Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

5 Fire Fighting Measures

Flash point: Not applicable

Lower Explosive Limit (%): Not available

Upper Explosive Limit (%): Not available

Autoignition temperature: Not available

Suitable Extinguishing Media:

No data available.

Exposure Hazards during Fire:

Non-flammable: ordinary combustible material. Material will not burn.

Combustion Products from Fire:

Carbon Monoxide;

Carbon Dioxide;

Fire Fighting Procedures:

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

NFPA: Health	2
NFPA: Fire	0
NFPA: Reactivity	0
NFPA: Unusual Reaction Hazard	none

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:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. 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. Collect as much of the spilled material as possible. Clean up residue with detergent and water. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

7 Handling and Storage

Storage Requirements:

No data available.

Incompatible Materials:

None known.

Ventilation:

Keep container in well-ventilated area.

Use Instructions:

Contents may be under pressure, open carefully. For industrial or professional use only.

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8 Exposure Controls/Personal Protection

Personal Protection

Eye Protection:

Avoid eye contact with vapours, mists, or spray.

The following should be worn alone or in combination, as appropriate, to prevent eye contact: Indirect vented goggles;

Hand Protection:

Gloves are not required. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Skin Protection:

Avoid skin contact.

Respiratory Protection:

Avoid breathing of vapours, mists or spray.

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation on open containers. Use with functioning spray booth or local exhaust. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment.

Ingredient Exposure Data

WATER (7732-18-5)

LD50 (rat, oral): >90 ml/kg

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits

: No data available.

CHLOROPRENE-METHACRYLIC ACID COPOLYMER (25053-30-9)

Specific Ingredient Data: No data available. No data available.

LD50 (rat, oral)

: No data available.

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits

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: No data available.

POLYMER (Trade Secret)

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.

POLYOXYETHYLENE MONOOCTYLPHENYL ETHER (9036-19-5)

Specific Ingredient Data: No data available.

LD50 (rat, oral): 4190 mg/kg

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits

: No data available.

9 Physical and Chemical Properties

Physical form,Color,Odour:	Liquid; consistency of paint; Light Green;
Odour Threshold:	No data available.
pH:	7 -8
Boiling point/boiling range:	>=93.33 C
Melting point/melting range:	Not available
Vapour pressure:	27 psia @55 C
Water Solubility:	Complete
Specific gravity:	1.05
Vapour density:	Not available
Volatile organic compounds:	7.4 gms/liter
Evaporation rate:	Not available
Viscosity:	20000 centipoise
Percent Volatile:	54.5 %

10 Stability and Reactivity

Conditions to Avoid:

None known.

Materials to Avoid:

None known.

Hazardous Decomposition:

Carbon Monoxide; Carbon Dioxide;

Stability and Reactivity:

Stable. Hazardous polymerization will not occur.

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11 Toxicological Information

Effects from Eye Contact:

Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Effects from Skin Contact:

Moderate Skin Irritation: Signs/symptoms can include localized redness, swelling, itching, and dryness.

Effects from Inhalation:

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

Effects from Ingestion:

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

Sensitization Information:

No data available.

Carcinogenicity:

No data available.

Mutagenicity:

No data available.

Reproductive Effects:

No data available.

Component Based Information:

No data available.

Product Based Information:

No data available.

12 Ecological Information

Environmental Data:

Ecotoxicity Data:

Not determined.

Ecofate Data:

Not determined.

Special statements for 2001/58/EC:

One or more components of this product have significant known or predicted environmental hazards, but a conservative assessment indicates a low environmental risk. Intended use and proper disposal are unlikely to cause the environmentally hazardous component(s) to enter the environment in quantities or by routes that could cause the adverse environmental impacts.

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13 Disposal Considerations

Product as Sold:

Cure (harden, set, or react) the product according to product instructions. Dispose of completely cured (or polymerized) wastes in a sanitary landfill. As a disposal alternative, incinerate uncured product in an industrial or commercial incinerator in the presence of a combustible material. Dispose of empty product containers in a sanitary landfill.

Product Packaging:

No data available.

Special Instructions:

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

14 Transportation Information

Transportation of Dangerous Goods

TDG Classification: Non-Regulated Material
 Special Information:
 Contact 3M for more information.

International Dangerous Goods Classification

15 Regulatory Information

WHMIS Classification: D2B

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:

TSCA - Toxic Substances Control Act (USA)

DSL - Domestic Substances List (Canada)

AICS - Australian Inventory of Chemical Substances

EINECS -

European Inventory of Existing Commercial Chemical Substances

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16 Other Information

Reason for Reissue:

The following Sections and topics have been updated or revised:

- Section 2 - Composition/Information on Ingredients;
- Section 3 - Hazards Identification - Critical Hazards;
- Section 4 - First Aid Measures;
- Section 5 - Fire Fighting Measures
- Section 6 - Accidental Release Measures;
- Section 7 - Handling and Storage;
- Section 8 - Exposure Controls/Personal Protection;
- Section 9 - Physical and Chemical Properties;
- Section 10 - Stability and Reactivity;
- Section 11 - Toxicological Information;
- Section 12 - Ecological Information
- Section 13 - Disposal Considerations;
- Section 15 - Regulatory Information

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR

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