



MATERIAL SAFETY DATA SHEET

FIRST DEFENSE Carpet Soil Retardant

Date Prepared: 04/19/2000
Date Revised: 09/17/2000

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: FIRST DEFENSE Carpet Soil Retardant

MANUFACTURER

The Butcher Company
67 Forest Street
Marlborough, MA 01752-3012

Butcher Telephone Number: 800-225-9475
Emergency Telephone (24 hours): 800-228-5635
CHEMTREC (U.S./Can.): 800-424-9300
CHEMTREC (Int'l): +1 703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS NO.	% BY WEIGHT
Polyalkyl methacrylate	9011-14-7	5 - 7
Polyfunctional perfluoroalkyl ester, NJ Trade Secret Registry 00850201001-5259P	NA	1 - 3

See Section 8 for Exposure Limits NA - Not Applicable

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.
WHMIS CLASS: Class D- Division 1B; Class D- Division 2B

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Translucent, White Emulsion. Mild Odor. May Cause Eye and Skin Irritation. Harmful if Inhaled.

POTENTIAL HEALTH EFFECTS (See Section 11 for Toxicological Information)

PRIMARY ROUTE(s) OF EXPOSURE: Eye Skin Contact Skin Absorption
 Inhalation Ingestion

EFFECTS OF ACUTE EXPOSURE

EYES:

May cause eye irritation. Symptoms may include redness and pain.

SKIN:

May cause skin irritation. Symptoms may include redness, rash and mild swelling.

INHALATION:

Harmful if inhaled. Symptoms may include coughing, chest discomfort, difficulty breathing and shortness of breath.

INGESTION:

May cause mouth, throat and stomach irritation. Symptoms may include nausea, vomiting and diarrhea.

EFFECTS OF CHRONIC EXPOSURE:

Prolonged or repeated contact may cause skin irritation.

MEDICAL CONDITIONS AGGRAVATED:

May aggravate pre-existing eye, skin and respiratory conditions.

4. FIRST AID MEASURES

EYES:

Flush eyes with plenty of water while holding eyelids apart. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not put any medication in the victim's eyes unless instructed by a physician. Get medical attention.

SKIN:

Flush thoroughly with plenty of water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops or persists. Thoroughly wash (or discard) clothing and shoes before reuse.

INHALATION:

Remove to fresh air. If not breathing, give respiration; if breathing is difficult, give oxygen (by trained personnel only). Get immediate medical attention.

INGESTION:

Do not induce vomiting. Drink large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: Not applicable.

FLAMMABLE LIMITS:

Not applicable.

AUTOIGNITION TEMPERATURE: Not applicable.

EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS:

Normal products of combustion (carbon monoxide and carbon dioxide).

FIRE AND EXPLOSION HAZARDS:

None known.

FIRE FIGHTING INSTRUCTIONS:

This product is not flammable. As in any fire, MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear should be worn.

6. ACCIDENTAL RELEASE MEASURES

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. Ventilate spill area. Contain and isolate spill. Keep non-essential personnel from entering spill area. Use mop, absorbent, or wet vacuum to collect material for proper disposal. Rinse area with water.

7. HANDLING AND STORAGE

HANDLING:

Follow label use directions. Do not mix with other chemicals unless instructed by label directions. Avoid contact with skin, eyes and clothing. Use with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling. Remove contaminated clothing. Wash clothing and equipment before reuse.

STORAGE:

Keep container closed when not in use. Store away from incompatible materials. (See Section 10, Stability and Reactivity).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE:

Where eye contact is possible, wear safety glasses with side shields or chemical splash goggles (ANSI Z87.1 approved).

SKIN:

Where skin contact is possible, chemical-resistant clothing (e.g., gloves) should be worn.

RESPIRATORY:

No respiratory protection is required if general room ventilation is adequate and airborne concentrations are kept below exposure limits. When exposure limits are exceeded, use appropriate respiratory protection (NIOSH/MSHA) to prevent overexposure.

ENGINEERING CONTROLS:

Good general room ventilation is expected to be adequate. Local exhaust ventilation (e.g., fans) may be necessary when general ventilation does not keep airborne concentrations below the polyfunctional perfluoroalkyl ester manufacturer's exposure limits for respirable particles (0.1 mg/m³).

EXPOSURE LIMITS:

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Polyalkyl methacrylate	NA	NA
Polyfunctional perfluoroalkyl ester, NJ Trade Secret Registry 00850201001-5259P	NA	NA

NA - Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Emulsion
 ODOR: Mild
 APPEARANCE: Translucent, White
 pH: 4.0 to 4.4
 PERCENT VOLATILE BY WEIGHT: 98
 VAPOR PRESSURE: Not Available
 VAPOR DENSITY: Not Available
 BOILING POINT: Not Available
 FREEZING/MELTING POINT: Not Available
 SOLUBILITY IN WATER: Dispersible
 EVAPORATION RATE: Not Available
 SPECIFIC GRAVITY: 1.02
 VISCOSITY: Water Thin
 OCTANOL/WATER PARTITION COEFFICIENT: Not Available
 ODOR THRESHOLD: Not Available

10. STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID):
Stable.

POLYMERIZATION:
Will not occur.

HAZARDOUS DECOMPOSITION:
None.

INCOMPATIBLE MATERIALS:
Strong acids (e.g., hydrochloric) and cationic materials (e.g., quaternary sanitizers).

11. TOXICOLOGICAL INFORMATION

ACUTE DATA:
Based on acute toxicity testing, this product is harmful if inhaled. The following data are available for this product and its ingredients:

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<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD₅₀ (rat)</u>	<u>DERMAL LD₅₀ (rabbit)</u>	<u>INHALATION LC₅₀ (rat)</u>
FIRST DEFENSE Carpet Soil Retardant	Not Available	Not Available	<2.5 mg/L (4-hr)
Polyalkyl methacrylate	>2000 mg/kg	>3000 mg/kg	>2 mg/L (4-hr)
Polyfunctional perfluoroalkyl ester, NJ Trade Secret Registry 00850201001-5259P	25000 mg/kg	Not Available	0.042 mg/L (4-hr)

SENSITIZATION DATA:

Polyfunctional perfluoroalkyl ester has been found to cause weak skin sensitization in laboratory animals.

CHRONIC DATA:

Prolonged overexposure to high concentrations of polyalkyl methacrylate by ingestion has caused liver and kidney effects in laboratory animals.

REPRODUCTIVE/TERATOGENIC DATA:

No data available.

CARCINOGENIC/MUTAGENIC DATA:

Not listed as carcinogenic by NTP, IARC, or ACGIH or regulated as a carcinogen by OSHA.

SYNERGISTIC MATERIALS:

No data available.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal of this material should be in accordance with local, state or provincial and federal regulations. The unused product, as manufactured, is a RCRA non-hazardous waste in accordance with 40 CFR 261. The product has not been evaluated by the Toxicity Characteristic Leachate Procedure (TCLP). According to RCRA, it is the responsibility of the waste generator to ensure proper disposal.

14. TRANSPORT INFORMATION

DOT/TDG HAZARDOUS MATERIAL DESCRIPTION: Not regulated

15. REGULATORY INFORMATION

Not meant to be all-inclusive—selected regulations represented.

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UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Under 40 CFR 370.2, this product meets the following hazard categories:
Immediate, Delayed.

313 REPORTABLE INGREDIENTS: Ingredients in this product are not currently subject to notification.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None of the ingredients in this product are reportable under CERCLA.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product complies with all TSCA inventory requirements.

MASSACHUSETTS, NEW JERSEY, PENNSYLVANIA RIGHT-TO-KNOW:

<u>INGREDIENT(S)</u>	<u>CAS NO.</u>	<u>STATE LISTING</u>
Water	7732-18-5	Not Listed
Polyalkyl methacrylate	9011-14-7	Not Listed
Polyfunctional perfluoroalkyl ester, NJ Trade Secret Registry 00850201001-5259P	NA	Not Listed

NA - Not Applicable

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

Class D- Division 1B; harmful if inhaled; Class D- Division 2B, eye and skin irritant. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

DATE EXEMPTION FILED: 08/14/1991

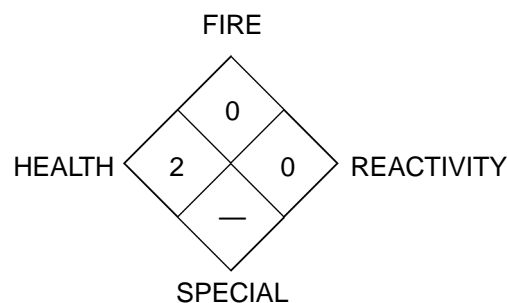
EXEMPTION REG. NO.: 2866

16. OTHER INFORMATION

HMIS RATING

HEALTH	-	2
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION	-	

NFPA RATING



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MSDS STATUS

Revision #: 2

This MSDS replaces the April 19, 2000 MSDS. Any changes in information are as follows:

APPROVED BY: EH&S/Regulatory Affairs

APPROVAL DATE: 09/17/2000

The information on this data sheet represents our current data and best opinion as to the proper use in handling of the product under normal foreseeable conditions. Any use of this product which is not in conformance with this data sheet or product label, or which involves using the product in combination with any other product or any other process is the responsibility of the user.