



MATERIAL SAFETY DATA SHEET

MAINSTAY Floor Finish

MSDS Ref. No: 4014
Date Prepared: 11/05/2002
Date Revised: 11/22/2002

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME/USE: MAINSTAY Floor Finish

PRODUCT CODE: 3681=2922834

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

<u>INGREDIENT(S)</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>
Polymer Solids (Proprietary)	NA	10 - 25
Diethylene glycol ethyl ether	111-90-0	1 - 3
Dipropylene glycol monomethyl ether	34590-94-8	1 - 3
Zinc ammonium carbonate	40861-29-8	1 - 1.5
Ammonia	7664-41-7	< 0.1

See Section 8 for Exposure Limits NA - Not Applicable

OSHA REGULATORY STATUS: This product is classified as hazardous under OSHA regulations.

WHMIS CLASS: Not controlled.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

White Liquid . Mild, Ammonia Odor. May cause mild eye and skin irritation.

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 mild eye irritation. Symptoms may include redness and tearing.

SKIN: May cause mild skin irritation. Symptoms may include redness.

INHALATION: High concentrations of vapor or mist may cause nose, throat and respiratory tract irritation. Symptoms may include coughing.

INGESTION: May cause mild mouth, throat and stomach irritation. Symptoms may include nausea.

EFFECTS OF CHRONIC EXPOSURE: Prolonged or repeated contact may cause skin irritation.

MEDICAL CONDITIONS AGGRAVATED: None known.

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 if irritation develops.

SKIN: Flush with water, then wash with soap and water. Remove saturated clothing. Get medical attention if irritation develops.

INHALATION: Remove to fresh air. Get medical attention if symptoms persist.

INGESTION: Do not induce vomiting. Drink large quantities of water. Get medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD: > 93°C (200°F)TCC

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

Floors may be slippery. Use care to avoid falling. Contain spill. 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 eyes and skin. 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. Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE: Not required under normal conditions of use.

SKIN: Where prolonged or repeated contact is possible, chemical-resistant clothing (e.g., gloves) is recommended.

RESPIRATORY: No respiratory protection is required if ventilation is adequate.

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 exposure limits.

EXPOSURE LIMITS:**INGREDIENT(S)**

Polymer Solids (Proprietary)

Diethylene glycol ethyl ether

Dipropylene glycol monomethyl ether

Zinc ammonium carbonate

Ammonia

OSHA PEL/STEL

NA

NA

100 ppm 600 mg/m3 /

150 ppm Skin

NA

50 ppm 35 mg/m3 /

35 ppm 27 mg/m3

ACGIH TLV/STEL

NA

NA

100 ppm 606 mg/m3 /

150 ppm Skin

NA

25 ppm 17 mg/m3 /

35 ppm 24 mg/m3

NA - Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES**PHYSICAL STATE:** Liquid**ODOR:** Mild, Ammonia**APPEARANCE:** White**pH:** 8.8**PERCENT VOLATILE BY WEIGHT:** 84**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:** None known.**11. TOXICOLOGICAL INFORMATION**

ACUTE DATA: Based on testing of a similar product, this product may cause mild eye and skin irritation; it is not considered to be toxic by ingestion. The following data are available for product ingredients.

PRODUCT/INGREDIENT

Polymer Solids (Proprietary)

Diethylene glycol ethyl ether

Dipropylene glycol monomethyl ether

Zinc ammonium carbonate

Ammonia

ORAL LD₅₀ (rat)

Not Available

5500 - 9740

mg/kg

5135 - mg/kg

Not Available

350 - mg/kg

DERMAL LD₅₀ (rabbit)

Not Available

8500 - mg/kg

9500 - mg/kg

Not Available

Not Available

INHALATION LC₅₀ (rat)

Not Available

200 - mg/L (1-hr)

Not Available

Not Available

3670 - ppm (4-hr)

SENSITIZATION DATA: No data available.**CHRONIC DATA:**

Prolonged overexposure to dipropylene glycol monomethyl ether by inhalation has caused minor liver effects in laboratory animals; overexposure by dermal absorption has also caused minor kidney effects in laboratory animals. Prolonged overexposure to high concentrations of diethylene glycol ethyl ether by ingestion has caused liver and kidney effects in laboratory animals; prolonged overexposure by dermal

absorption has also caused kidney effects in 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.

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 category: Delayed.

313 REPORTABLE INGREDIENTS: Diethylene glycol ethyl ether is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 under the chemical category Glycol Ethers. Zinc ammonium carbonate is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 under the chemical category zinc compounds.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not 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
Polymer Solids (Proprietary)	NA	Not Listed
Diethylene glycol ethyl ether	111-90-0	Not Listed
Dipropylene glycol monomethyl ether	34590-94-8	MA, NJ, PA
Zinc ammonium carbonate	40861-29-8	Not Listed

NA - Not Applicable

CANADA

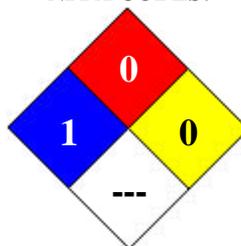
WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Not controlled by WHMIS. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

HMIS RATING

HEALTH	*	1
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION		-

NFPA CODES:



APPROVED BY: EH&S/Regulatory Affairs

MSDS STATUS

Revision No: 2

Revision #: 2

This MSDS replaces the October 23, 2002 MSDS. Any changes in information are as follows:

In Section 1

Prepared By Date Prepared

In Section 3

Emergency Overview - Immediate Concerns Signs & Symptoms - Eyes Signs & Symptoms - Skin

In Section 9

Appearance (pH) (From) (pH) (To) Specific Gravity (From)

In Section 11

Subchronic Toxicological

In Section 15

SARA 313 Reportable Ingredients

In Section 16

HMIS Health NFPA Health

APPROVAL DATE: 11/22/2002

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.