



# MATERIAL SAFETY DATA SHEET

AMPLIFY High Solids Floor Finish

Date Prepared: 04/13/2001  
Date Revised: 04/20/2001

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: AMPLIFY High Solids Floor Finish

### 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
Dipropylene glycol monomethyl ether	34590-94-8	3 - 5
Diethylene glycol ethyl ether	111-90-0	3 - 5
Tributoxyethyl phosphate	78-51-3	1 - 3
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 Odor. Product Does Not Present a Significant Immediate Concern for Emergency Response Personnel.

### 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:

Non-irritating to the eyes, but may cause temporary redness or discomfort.

#### SKIN:

Non-irritating to the skin.

#### INHALATION:

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

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**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:** >200°F 93°C 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**

See Section 8, Exposure Controls/Personal Protection and Section 3, Hazard Identification. Floors may be slippery. Use care to avoid falling. 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. 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:**

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Dipropylene glycol monomethyl ether	100 ppm (600 mg/m <sup>3</sup> )/ 150 ppm (Skin)	100 ppm (606 mg/m <sup>3</sup> )/ 150 ppm (Skin)
Diethylene glycol ethyl ether	NA	NA
Tributoxyethyl phosphate	NA	NA
Ammonia	50 ppm (35 mg/m <sup>3</sup> )/ 35 ppm (27 mg/m <sup>3</sup> )	25 ppm (17 mg/m <sup>3</sup> )/ 35 ppm (24 mg/m <sup>3</sup> )

NA - Not Available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid  
 ODOR: Mild  
 APPEARANCE: White  
 pH: 8.0 to 8.6  
 PERCENT VOLATILE BY WEIGHT: 75  
 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: 1.04  
 VISCOSITY: Not Available  
 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 known.

INCOMPATIBLE MATERIALS:  
 None known.

**11. TOXICOLOGICAL INFORMATION**

ACUTE DATA:  
 Based on testing of similar products, this product is non-irritating to skin and eyes. The following data are available for product ingredients.

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD<sub>50</sub> (rat)</u>	<u>DERMAL LD<sub>50</sub> (rabbit)</u>	<u>INHALATION LC<sub>50</sub> (rat)</u>
Dipropylene glycol monomethyl ether	5135 mg/kg	9500 mg/kg	Not Available
Diethylene glycol ethyl ether	5500–9740 mg/kg	8500 mg/kg	200 mg/L (1-hr)
Tributoxyethyl phosphate	500–5000 mg/kg	10000 mg/kg	20 mg/L (1-hr)
Ammonia	350 mg/kg	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.

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

CERCLA REGULATORY: Not reportable under CERCLA.

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**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
Acrylic polymer	NA	Not Listed
Dipropylene glycol monomethyl ether	34590-94-8	MA, NJ, PA
Diethylene glycol ethyl ether	111-90-0	Not Listed
Tributoxyethyl phosphate	78-51-3	Not Listed

NA - Not Applicable

STATE REGULATIONS: Ammonia is listed on the Massachusetts Right-to-Know Substance List, New Jersey Right-To-Know Hazardous Substance List and the Pennsylvania Hazardous Substance List.

**CANADA**

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):**

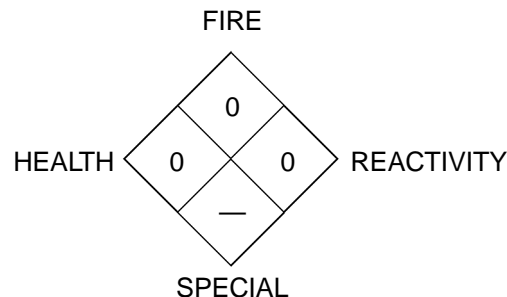
Not controlled by WHMIS. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION**

**HMIS RATING**

HEALTH	*	0
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION		-

**NFPA RATING**



**MSDS STATUS**

New MSDS

APPROVED BY: EH&S/Regulatory Affairs

APPROVAL DATE: 04/20/2001

*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.*