



MATERIAL SAFETY DATA SHEET

LOW KEY Low Gloss
Floor Finish

MSDS Ref. No: 4386
Date Prepared: 08/12/2001
Date Revised: 01/22/2002

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME/USE: LOW KEY Low Gloss 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#	% BY WEIGHT
Diethylene glycol ethyl ether	111-90-0	3 - 5
Dipropylene glycol butoxy ether	29911-28-2	1 - 3
Tributoxyethyl phosphate	78-51-3	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

Off-White Liquid . Mild, Ammonia 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.

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

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:

INGREDIENT(S)

Diethylene glycol ethyl ether
Dipropylene glycol butoxy ether
Tributoxyethyl phosphate
Ammonia

OSHA PEL/STEL

NA
NA
NA
50 ppm 35 mg/m3 /
35 ppm 27 mg/m3

ACGIH TLV/STEL

NA
NA
NA
25 ppm 17 mg/m3 /
35 ppm 24 mg/m3

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NA - Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild, Ammonia

APPEARANCE: Off-White

pH: Not Determined

PERCENT VOLATILE BY WEIGHT: Not Determined

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: 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.

PRODUCT/INGREDIENT	ORAL LD₅₀ (rat)	DERMAL LD₅₀ (rabbit)	INHALATION LC₅₀ (rat)
Diethylene glycol ethyl ether	5500 - 9740 mg/kg	8500 - mg/kg	200 - mg/L (1-hr)
Dipropylene glycol butoxy ether	3700 - 4400 mg/kg	>2000 - mg/kg	Not Available
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 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

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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.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

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

INGREDIENT(S)

Water

Acrylic polymer

Diethylene glycol ethyl ether

Dipropylene glycol butoxy ether

Tributoxyethyl phosphate

CAS NO.

7732-18-5

NA

111-90-0

29911-28-2

78-51-3

STATE LISTING

Not Listed

Not Listed

Not Listed

Not Listed

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

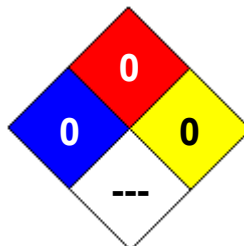
WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Not controlled by WHMIS. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

HMIS RATING

HEALTH	*	0
FLAMMABILITY		0
REACTIVITY		0
PERSONAL PROTECTION	-	

NFPA CODES:



APPROVED BY: Product Safety & Regulatory

MSDS STATUS

Revision No: 2

Revision #: 2

This MSDS replaces the January 22, 2002 MSDS. Any changes in information are as follows:

LOW KEY Low Gloss Floor Finish

In Section 1
Approved by

APPROVAL DATE: 01/22/2002

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.