



MATERIAL SAFETY DATA SHEET

KDS 2 LOOK Glass Cleaner Ready-to-Use

Date Prepared: 11/30/2000
Date Revised: 11/30/2000

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name/Use: KDS 2 LOOK Glass Cleaner Ready-to-Use
A 1:20 dilution of KDS LOOK Glass Cleaner Concentrate

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
Ammonium hydroxide	1336-21-6	0.1 – 0.5

See Section 8 for Exposure Limits NA - Not Applicable

OSHA REGULATORY STATUS: This product is classified as not hazardous under OSHA regulations.
WHMIS CLASS: Not controlled.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Clear, Light Blue 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 temporary mouth, throat and stomach discomfort. Symptoms may include nausea.

EFFECTS OF CHRONIC EXPOSURE:

None known.

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

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. Use with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.

STORAGE:

No special storage practices are required. Keep container closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**PERSONAL PROTECTIVE EQUIPMENT (PPE)****EYE:**

Not required under normal conditions of use.

SKIN:

Not required under normal conditions of use.

RESPIRATORY:

Not required under normal conditions of use.

ENGINEERING CONTROLS:

Good general room ventilation is expected to be adequate.

EXPOSURE LIMITS:

<u>INGREDIENT(S)</u>	<u>OSHA PEL/STEL</u>	<u>ACGIH TLV/STEL</u>
Ammonium hydroxide	50 ppm (35 mg/m ³)/ 35 ppm (27 mg/m ³)	25 ppm (17 mg/m ³)/ 35 ppm (24 mg/m ³) (NH ₃)

NA - Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild, Ammonia

APPEARANCE: Clear, Light Blue

pH: 10.3

PERCENT VOLATILE BY WEIGHT: 99.5

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available
FREEZING/MELTING POINT: Not Available
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: Not Available
SPECIFIC GRAVITY: 1.00
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 known.

INCOMPATIBLE MATERIALS:
None known.

11. TOXICOLOGICAL INFORMATION

ACUTE DATA:
This product is typically non-irritating to skin and eyes at recommended use dilution.

<u>PRODUCT/INGREDIENT</u>	<u>ORAL LD₅₀ (rat)</u>	<u>DERMAL LD₅₀ (rabbit)</u>	<u>INHALATION LC₅₀ (rat)</u>
Ammonium hydroxide	350 mg/kg	Not Available	3670 ppm (4-hr)

SENSITIZATION DATA:
No data available.

CHRONIC DATA:
No data available.

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, at its recommended use dilution, 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 categories:
None.

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

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

NA - Not Applicable

STATE REGULATIONS: Product contains a mixture of surfactant and cleaning agents below State reporting requirements.

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):

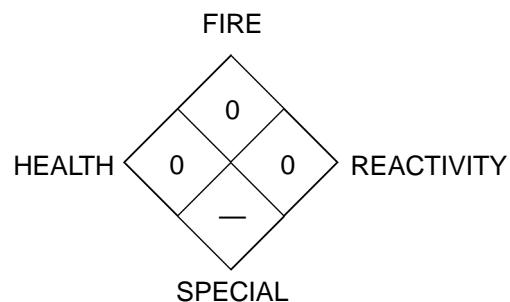
Not controlled by WHMIS. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

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: 11/30/2000

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.