

MATERIAL SAFETY

DATA SHEET

1. CHEMICAL PRODUCT &

COMPANY IDENTIFICATION

KWIK KLEEN 500 Custom Glass Cleaner Concentrate

CHEMICAL COMPOUNDING COMPANY
791 66TH AVENUE
OAKLAND, CALIFORNIA 94621-3713

Emergency Phone: 510-430-2792

24 hour Phone: 510-430-2792

Revision Date:
12/10/04

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MSDS# AR-2

2. COMPOSITION (OSHA HAZARDOUS

INGREDIENTS)

	<u>COMPONENTS</u>	<u>WT%</u>
The specific identities of certain components of this formulation are withheld as trade secrets in accordance with 29 CFR 1910.1200.	PROPRIETARY SURFACTANT	<22.00
	ETHYL ALCOHOL	<1.50

3. HAZARDS IDENTIFICATION

HAZARD SUMMARY

See Section 3, 5, 6.

POTENTIAL HEALTH EFFECTS

EYES: MAY CAUSE IRRITATION, EXPERIENCED AS PAIN, WITH EXCESS BLINKING AND TEAR PRODUCTION, AND SEEN AS MARKED EXCESS REDNESS AND SWELLING OF THE EYE.

SKIN: BRIEF CONTACT MAY CAUSE SLIGHT IRRITATION. PROLONGED CONTACT, AS WITH CLOTHING WETTED WITH MATERIAL, MAY CAUSE MORE IRRITATION AND DISCOMFORT, SEEN AS LOCAL REDNESS AND SWELLING.

INGESTION: MAY CAUSE ABDOMINAL DISCOMFORT, NAUSEA, DIARRHEA, AND VOMITING.

INHALATION: VAPORS OR MIST, IN EXCESS OF PERMISSIBLE CONCENTRATIONS, OR IN UNUSUALLY HIGH CONCENTRATIONS GENERATED FROM SPRAYING, HEATING THE MATERIAL OR AS FROM EXPOSURE IN POORLY VENTILATED AREAS OR CONFINED SPACES, MAY CAUSE IRRITATION OF THE NOSE AND THROAT, DIZZINESS, HEADACHE, NAUSEA, AND DROWSINESS.

CHRONIC EFFECTS/CARCINOGENICITY: This product does contain compounds known to be carcinogens, i.e. cause cancer, according to THE STATE OF CALIFORNIA: PROPOSITION 65 LIST. ETHYL ALCOHOL (1.2 % by weight)

FOR COMPLETE DISCUSSION OF THE TOXICOLOGY DATA FROM WHICH THIS EVALUATION WAS MADE PLEASE REFER TO SECTION 11.

4. FIRST AID MEASURES

EYES: In case of contact, immediately flush eyes with water for at least 15-20 minutes. Lift upper and lower lids and rinse well under them. Get immediate medical attention IF IRRITATION PERSISTS.

SKIN: Immediately rinse material off skin with running water; remove contaminated clothing and shoes. Then wash with soap and water AND LOTS OF WATER!

INHALATION: Remove from exposure. If individual is breathing, but with difficulty, get medical attention.

INGESTION: Do not induce vomiting. Do not give anything by mouth to an unconscious person. Immediately drink large quantities of milk or water. Get medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

This product is non-combustible.

FLASH POINT: N/A (greater than 220 degrees F)

METHOD USED: N/A (estimated from data of raw materials)

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: As for surrounding area.

FIRE & EXPLOSION HAZARDS: BURN TO PRODUCE OXIDES OF CARBON, NITROGEN, AND SULFUR IN LARGE FIRES. WATER RUN OFF FROM FIRE FIGHTING MAY BE VERY SLIPPERY.

FIRE-FIGHTING EQUIPMENT: USE SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

6. ACCIDENTAL RELEASE MEASURES

SPILLS/LEAKS: Wear protective clothing and equipment. RECOVER AS MUCH MATERIAL AS PRACTICAL. SOAK UP BALANCE WITH ABSORBENT AND HAUL TO APPROVED DUMP. WASH AWAY RESIDUE WITH WATER. THE WASHING SHOULD BE DISCHARGED TO A PLANT OR MUNICIPAL PROCESS WATER TREATMENT SYSTEMS. AVOID DIRECT DISCHARGE TO NATURAL WATERWAYS. MATERIAL WILL GO INTO SOLUTION IN ANY CONCENTRATION OF WATER. (Never discharge directly into a lake, pond, stream, river, or other natural body of water.)

7. HANDLING AND STORAGE

Store in a cool, dry, well ventilated place away from heat, cold, and/or acids. Protect from freezing. Use approved equipment for transportation of drums to avoid puncturing or rupturing. Do not use air pressure to transfer. **SPILLED MATERIAL IS SLIPPERY ON WALKWAYS AND HIGHWAYS. FOAMS PROFUSELY WHEN HIT WITH A STREAM OF WATER.**

After handling, always wash hands thoroughly with soap and water.

8. EXPOSURE CONTROL/PERSONAL

PROTECTION

RESPIRATORY PROTECTION: Use general room ventilation or local exhaust ventilation to keep airborne exposure below the TLV. AVOID BREATHING MIST OR VAPOR, ALWAYS ADD PRODUCT TO WATER, THIS WILL AVOID EXTRA FOAM AND OR MIST.

SKIN PROTECTION: Wear impervious gloves, boots, and apron. HIGH CONCENTRATION OF DYE WILL STAIN SKIN. SO IF YOU DON'T WANT BLUE HANDS ALWAYS WEAR YOUR GLOVES!!

EYE PROTECTION: Use chemical safety goggles, as well as an eye wash shower, and washing facilities near the work area. **ALWAYS WEAR SAFETY GLASSES!!!**

EXPOSURE GUIDELINES: Exposure guidelines have not been established for the product as a whole. The following are exposure guidelines for component(s) of this product.

COMPONENT	OSHA PEL-TWA	ACGIH TLV-TWA
PROPRIETARY SURFACTANT	N/A	N/A
ETHYL ALCOHOL	1,000 ppm 8 hrs TWA	N/A

ENGINEERING CONTROLS: Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: BRIGHT BLUE

ODOR:FAINT CHARACTERISTIC

OF ETHANOL

BOILING POINT: 212 DEGREES F. PLUS

SOLUBILITY IN WATER: ESSENTIALLY COMPLETE
SPECIFIC GRAVITY: 1.00719
MELTING POINT: NOT APPLICABLE
% VOLATILE: 80-90%

10. STABILITY AND REACTIVITY

STABILITY: (CONDITIONS TO AVOID) STABLE AT TEMPERATURES BELOW 212 DEGREES F.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) HIGHLY ALKALINE OR ACID CONDITIONS.
TEMPERATURES >150 DEGREES F.

HAZARDOUS DECOMPOSITION PRODUCTS: AT TEMPERATURES >150 DEGREES F. OR IN THE PRESENCE OF STRONG ACIDS OR ALKALI. HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

11. TOXICOLOGICAL INFORMATION

Toxicological information has not been established for this specific formulation.

12. ECOLOGICAL INFORMATION

THIS PRODUCT IS READILY BIODEGRADABLE. DON'T RELEASE INTO SURFACE WATERS.
DISCHARGE OF LARGE QUANTITIES INTO THE AQUATIC ENVIRONMENT MAY KILL FISH AND OTHER AQUATIC ORGANISMS. In concentrated form...

CHEMICAL FATE: In ready to use applications material is readily biodegradable in most definitions of the word

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD :SANITARY SEWER AS DILUTED. MATERIAL IS COMPLETELY BIODEGRADABLE.
MAY BE DISPOSED OF IN A LANDFILL AS NON HAZARDOUS WASTE, CHECK LOCAL CODES AND REGULATIONS.
Any disposal practice must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules.) Do not dump into sewers, on the ground, or into any body of water.

14. TRANSPORT INFORMATION

TRANSPORTATION AND HAZARDOUS MATERIALS DESCRIPTION:
DOT SHIPPING NAME: **NON-REGULATED MATERIAL LIQUID**

HAZARD CLASS: NON REGULATED MATERIAL, NO HAZARD

15. REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200: According to the OSHA Hazard Communication Standard this product is considered hazardous because it contains

CERCLA/SUPERFUND, 40 CFR 117, 302: This compound contains the following regulated compounds, subject to 40 CFR 117, 302:
ETHANOL CAS# 000064-17-5

SARA 313 INFORMATION: This product contains NO toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

TOXIC SUBSTANCES CONTROL ACT (TSCA): The ingredients of this product are all on the TSCA Inventory list.

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product does contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. ETHYL ALCOHOL @ 1.20 WT. % CAS# 00064-17-5 1,000 PPM 8 hrs. TWA [22 CCR 12705 (b)] The ready to use version of Kwik Kleen 500 has less than 0.009% of ethylalcohol in product..

16. OTHER INFORMATION

NFPA Rating

Fire 0
Health 1
Reactivity 0
Hazard

HMIS Rating

Health 1
Flammability 0
Reactivity 0
Protection B

17. VOLATILE ORGANIC COMPOUNDS

NO INGREDIENT BLENDING INTO KWIK KLEEN 500 INCLUDES AND CHEMICAL WITH A CHEMICAL LISTED UNDER ANY "VOC" REGULATIONS.

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.

REASON FOR ISSUE: Change of format

PREPARED BY: Product Stewardship Manager
DEPT. OF TECHNICAL SERVICES & REGULATORY AFFAIRS