



MATERIAL SAFETY DATA SHEET

DAKOTA MAGIC UPHOLSTERY CLEANER

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Date: July 8th, 2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Dakota Magic Upholstery Cleaner
General Use: Upholstery and carpet cleaner
Product Description: Milky, light blue liquid

MANUFACTURER

Dakota Shine
40546 253rd Street
Mitchell, South Dakota 57301
605-996-7800

EMERGENCY TELEPHONE NUMBERS:

ChemTrec (800) 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>wt %</u>	<u>CAS Registry #</u>
Proprietary Ingredient (1)	5.00%	97-99-4
Alkyl phenol ethoxylate	< 8.00%	9016-45-9
Proprietary Ingredient (2)	< 8.00%	63148-62-9, 9036-19-5 67923-07-03, 70131-67-8

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

	EXPOSURE LIMITS 8 hrs TWA (ppm)		
	<u>OSHA PEL</u>	<u>ACGIH-TLV</u>	<u>OTHER</u>
Proprietary Ingredient (1)	Not Established	Not Established	2 ppm - 8hr TWA AIHA WEEL Guide
Alkyl phenol ethoxylate	Not Established	Not Established	
Proprietary Ingredient (2)	Not Established	Not Established	

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Maybe harmful, if swallowed. Do not induce vomiting. In case of eye contact, flush eyes with water.

POTENTIAL HEALTH EFFECTS:

Only moderately irritating to eyes and slightly irritating to the skin. Harmful if swallowed.
Do not induce vomiting.

EYE CONTACT:

Moderately irritating, but will not permanently injure eye tissue.

SKIN CONTACT:

Frequent or prolonged contact may irritate the skin in sensitive individuals.

INGESTION:

Small amounts of this liquid may be drawn into the lungs by either swallowing or vomiting. Ingestion may cause irritation of the digestive tract and diarrhea.

CHRONIC:

There is no known effect from chronic exposure to this product. Repeated or prolonged exposure to the THFA vapors may cause decreased male fertility.

4. FIRST AID MEASURES

INHALATION:

Allow the victim to rest in a well-ventilated area. Seek immediate medical attention. In case of inhalation of IDHL levels, evacuate the victim to a safe area as soon as possible. Loosen tight fitting clothes. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

EYE CONTACT:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Do not use an eye ointment. Call a physician immediately.

SKIN CONTACT:

If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

INGESTION:

DO NOT INDUCE VOMITING! If conscious, give person 1 to 2 glasses of water. Seek immediate medical attention. Do not attempt to make the exposed person vomit. Contact a physician immediately.

5. FIRE FIGHTING MEASURES

Flashpoint and Method: 165° F Tag Closed Cup (Proprietary Ingredient (1))
Flammable Limits: UEL = 9.7% LEL = 1.5% (Proprietary Ingredient (1))
Autoignition Temperature: 542° F (Proprietary Ingredient (1))

GENERAL HAZARD:

Some of the components will decompose with heating (> 150° C) producing low levels of formaldehyde.

FIRE FIGHTING INSTRUCTIONS:

Use water spray, dry chemical, foam or carbon dioxide.

FIRE FIGHTING EQUIPMENT:

Respiratory and eye protection required for fire fighting personnel. Full protective equipment and a self-contained breathing apparatus should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of an SCBA may not be required.

HAZARDOUS COMBUSTION PRODUCTS:

Carbon dioxides including carbon monoxide and carbon dioxide. Low levels of formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL:

Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill. Eliminate ignition sources. Isolate hazard area and deny entry to unauthorized or unprotected personnel. Shut off leak if safe to do so. Avoid runoff into storm sewers and ditches, which lead to natural waterways. Contain spilled liquid with sand or earth.

WATER SPILL:

Material is miscible with water. Material is biodegradable with a pH between 9 and 10. Material spilled in limited quantities will naturally dilute and should result in no adverse effect.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Ambient

STORAGE PRESSURE: Atmospheric

GENERAL:

- (1) Keep container closed. Loosen closure cautiously before opening.
 - (2) Store in a cool, well-ventilated place away from incompatible materials such as oxidizing agents, reducing agents, acids and alkalis.
 - (3) Keep away from heat, sparks and flame.
 - (4) Protect material from direct sunlight.
 - (5) Empty containers may retain hazardous properties.
 - (6) Follow all MSDS/label warnings; even after container is emptied.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is available.

PERSONAL PROTECTION:

Splash goggles. Lab coat. Organic vapor respirator. Rubber gloves or latex gloves appropriate for use with cleaning compounds. Do not wear contacts when working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	0.2 mm of Hg	Vapor Density:	3.5; Air = 1
Specific Gravity:	1	Evaporation Rate:	Similar to water
Solubility in Water:	100%	Freezing Point:	Similar to water
pH:	9 - 10	Odor:	Pleasant
Boiling Point:	Similar to water	Appearance:	Milky, light blue
Viscosity:	Not Available	Physical State:	Liquid

10. STABILITY AND REACTIVITY

GENERAL:

This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Reactive with oxidizing agents, strong acids and strong bases.

HAZARDOUS DECOMPOSITION:

None

11. TOXICOLOGICAL INFORMATION

TOXICITY TO ANIMALS:

- (1) Acute oral toxicity (LD50): 1600 mg/kg rat (Proprietary Ingredient (1))
- (2) Acute dermal toxicity (LD50): 5 mg/kg guinea pig (Proprietary Ingredient (1))
- (3) Intraperitoneal (LD50): 400 mg/kg rat (Proprietary Ingredient (1))
- (4) Acute inhalation 4-hour LC50: > 1.4 mg/l rats (Proprietary Emulsion Ingredient)

CHRONIC EFFECTS ON HUMANS:

Prolonged exposure to Proprietary Ingredient (1) vapor may cause central nervous system depression and decrease male fertility.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not Available
BOD5 and COD:	Not Available

PRODUCTS OF BIODEGRADATION:

Products of biodegradation are less toxic than the product itself.

13. DISPOSAL CONSIDERATIONS

This material is not defined as a hazardous material with respect to disposal based on flash point, pH and component analysis. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)
PROPER SHIPPING NAME: Cleaning Compound

15. REGULATORY INFORMATION

TSCA (Toxic Substances Control Act):
Components of this product are listed on the TSCA inventory.

SARA Title III (Superfund Amendments and Reauthorization Act):
Components of this product are listed under this statute.

CERCLA (Comprehensive Response Compensation and Liability Act):
Components of this product are listed under this statute.

16. OTHER INFORMATION

NATIONAL FIRE PROTECTION ASSOCIATION

Health: 1
Fire: 0
Reactivity: 0

REVISION SUMMARY:

Created on July 8th, 2000 by: Cheryl Sykora, CIH, CSP
LEGEND TECHNICAL SERVICES, INC.
775 Vandalia Street
Saint Paul, Minnesota 55114
(651) 642-1150

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THE INFORMATION RELATES TO THIS SPECIFIC INFORMATION. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY ONESELF AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR HIS OWN PARTICULAR USE. ALL MATERIALS MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CANNOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.