

MATERIAL SAFETY DATA SHEET

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DRA 96792

MSDS # 126091001

FLOOR SCIENCE CLEANER

Date Issued: 18Jun1997

Supersedes: 19Jul1996

Drackett Professional
A Division of
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Phone: (800) 725-6737
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HAZARD RATING	HMIS	HAZARD	NFPA
4-Very High	3	Health	3
3-High	0	Flammability	0
2-Moderate	0	Reactivity	0
1-Slight		Special	
0-Insignificant			

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... FLOOR SCIENCE CLEANER
REASON FOR CHANGE..... No significant changes.
PRODUCT USE..... Industrial/Institutional: Floor care

UPC	SCJ CODE	QUANTITY	US SIZE	CANADIAN SIZE
19800 96791	96791	1	5 GAL	18.9 L
19800 96792	96792	4	1 GAL	3.78 L

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
[PA NJ MA SARA] 2-Butoxyethanol..... (CAS# 111-76-2)	1-5	25 ppm ACGIH/OSHA TWA (SKIN) LD50: 560-3,000 mg/kg (oral-rat) LC50: 500 ppm (inhalation-rat) 4 hrs.
[PA NJ MA] Ammonium Hydroxide (CAS# 1336-21-6)	1-5	25 ppm ACGIH/OSHA TWA , 35 ppm ACGIH/OSHA STEL LD50: 350 mg/kg (oral-rat)
[PA NJ MA] Monoethanolamine (CAS# 141-43-5)...	1-5	3 ppm ACGIH/OSHA TWA , 6 ppm ACGIH/OSHA STEL LD50: 2,050 mg/kg (oral-rat)
Water (CAS# 7732-18-5).....	80-95	NOT ESTABLISHED

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11)

ROUTE(S) OF ENTRY..... Eye contact. Skin contact. Ingestion.
EFFECTS OF ACUTE EXPOSURE:
EYE..... May cause: Permanent eye damage.
SKIN..... May cause: Chemical burns.
INHALATION..... May cause: Irritation to mucous membranes.
INGESTION..... May cause: Severe damage to the digestive tract.
MEDICAL CONDITIONS..... Individuals with chronic respiratory disorders such as asthma,
GENERALLY RECOGNIZED chronic bronchitis, emphysema, etc., may be more susceptible to
AS BEING AGGRAVATED irritating effects.
BY EXPOSURE

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... If eye contact occurs, remove contact lenses. Flush immediately
with plenty of water for at least 15 to 20 minutes. Go to an
emergency room but wash eyes first.
SKIN CONTACT..... Rinse with plenty of water. If irritation persists, get medical
attention.
INHALATION..... Remove to fresh air.
INGESTION..... Immediately drink 1-2 glasses of water or milk. Do not induce
vomiting! Seek immediate medical attention.

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----- SECTION 5 - FIRE AND EXPLOSION INFORMATION -----

FLASH POINT..... Not applicable.
 FLAMMABLE LIMITS..... Not applicable.
 AUTOIGNITION..... Not applicable.
 TEMPERATURE
 EXTINGUISHING MEDIA.... Foam, CO2, Water fog.
 SPECIAL FIREFIGHTING... Normal fire fighting procedure may be used. Cool and use caution
 PROCEDURES when approaching or handling fire-exposed containers.
 UNUSUAL FIRE AND..... No special hazards known.
 EXPLOSION HAZARDS

----- SECTION 6 - PREVENTIVE RELEASE MEASURES -----

STEPS TO BE TAKEN IN... Dike large spills. Absorb with oil-dri or similar inert material.
 CASE MATERIAL IS Sweep or scrape up and containerize. Rinse affected area
 RELEASED OR SPILLED thoroughly with water.

----- SECTION 7 - HANDLING AND STORAGE -----

PRECAUTIONARY..... DANGER: CORROSIVE: May burn skin and damage eyes. Harmful if
 INFORMATION swallowed. Contains: 2-Butoxyethanol, Monoethanolamine, Ammonium
 Hydroxide. Avoid breathing spray mist or vapors. Avoid contact
 with skin, eyes and clothing.
 OTHER HANDLING AND..... Store in a cool, dry place with adequate ventilation. Keep
 STORAGE CONDITIONS container well closed when not in use. Launder contaminated
 clothing/ equipment before reuse. Keep from freezing. Keep out of
 reach of children.

----- SECTION 8 - SPECIAL PROTECTION INFORMATION -----

RESPIRATORY PROTECTION. If mists/vapors are not adequately controlled by ventilation, use
 appropriate respiratory protection to prevent overexposure.
 VENTILATION..... General room ventilation is normally adequate. Substantial
 amounts of mists/vapors can be controlled with local exhaust
 ventilation or respiratory protection.
 PROTECTIVE GLOVES..... For undiluted product: Long rubber gloves.
 EYE PROTECTION..... For undiluted product: Face shield.
 OTHER PROTECTIVE..... If major exposure is possible to eyes/skin, wear/use appropriate
 MEASURES protective equipment.

----- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

COLOR..... Clear Blue Green
 PRODUCT STATE..... Liquid.
 ODOR..... Ammonia-like
 pH..... 11.2-12.0
 ODOR THRESHOLD..... Not applicable.
 SOLUBILITY IN WATER.... Complete
 SPECIFIC GRAVITY..... 1.01
 (H2O=1)
 VAPOR DENSITY (AIR=1).. Not available.
 EVAPORATION RATE (BUTYL ACETATE=1) Not available.
 VAPOR PRESSURE (mm HG). Not available.
 BOILING POINT..... Not available.
 FREEZING POINT..... Not available.
 COEFFICIENT OF..... Not available.
 WATER/OIL

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued)

PERCENT VOLATILE BY... Not available.
VOLUME (%)
VOLATILE ORGANIC... 2-Butoxyethanol
COMPOUND (VOC)
THEORETICAL VOC... 0.55
(LB/GAL)

SECTION 10 - STABILITY AND REACTIVITY

STABILITY... Stable
STABILITY - CONDITIONS. No special requirements.
TO AVOID
INCOMPATIBILITY... Avoid contact with: Strong acids (eg., muriatic acid).
HAZARDOUS DECOMPOSITION PRODUCTS Produces normal products of combustion.
HAZARDOUS... Will not occur.
POLYMERIZATION
HAZARDOUS... No special requirements.
POLYMERIZATION -
CONDITIONS TO AVOID

SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3)

LD50 (ACUTE ORAL TOX)... Estimated to be greater than 5000 mg/kg (rats).
LD50 (ACUTE DERMAL TOX) Not available.
EFFECTS OF CHRONIC... None known.
EXPOSURE
SENSITIZATION... None known.
CARCINOGENICITY... None known.
REPRODUCTIVE TOXICITY.. None known.
TERATOGENICITY... None known.
MUTAGENICITY... None known.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA... Not available.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL... Disposal of undiluted product is regulated under environmental
INFORMATION and transportation laws as a corrosive waste.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT INFORMATION... Corrosive liquids N.O.S. (Monoethanolamine, Ammonium Hydroxide)
8 UN 1760 PG II
CANADIAN SHIPPING NAME. Corrosive Liquids, N.O.S. (Monoethanolamine, Ammonium Hydroxide)
TDG CLASSIFICATION... 8
PIN/NIP... Not applicable.
PACKING GROUP... II
EXEMPTION NAME... Not applicable.

SECTION 15 - REGULATORY INFORMATION

WHMIS CLASSIFICATION... D,2B; E

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SECTION 15 - REGULATORY INFORMATION (continued)

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

This product is not subject to the reporting requirements under California's Proposition 65. These ingredients from Section 2 are subject to the following reporting requirements:

- PA - The Pennsylvania Hazardous Substance List
- NJ - The New Jersey Right to Know Hazardous Substance List
- MA - The Massachusetts Hazardous Substance List
- SARA - The Superfund Amendments and Reauthorization Act of 1986 Title III, Section 313 and 40 CFR Part 372

SECTION 16 - OTHER INFORMATION

ADDITIONAL INFORMATION. Use as directed.
EPA REGISTRATION #..... Not applicable.

PREPARATION INFORMATION

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1 (Manufacturer) for contact information.

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