

MATERIAL SAFETY DATA SHEET

FULL EFFECT

DATE: 12/31/03
SUPERSEDES: 1/4/01

HAZARD RATINGS (0-4)

FIRE 0 REACTIVITY 0
TOXICITY 1 SPECIAL

SUPPLIER: MIDLAND PRODUCTS
 18600 GRAPHICS COURT TINLEY PARK, IL 60477
 (708) 444-8200

TRADE NAME: FULL EFFECT
PRODUCT TYPE: LIQUID HARD SURFACE CLEANER
CHEMICAL FORMULA: MIXTURE
CHEMICAL NAME: DETERGENT

COMPONENT LIST - SECTION I

<u>COMPONENT</u>	<u>CAS</u>	<u>REG#</u>	<u>%</u>	<u>TLV</u>	<u>OSHA</u>	<u>TLV</u>	<u>ACGIH</u>
ANIONIC SURFACTANT		19589-59-4	25 - 35		N/D		N/D
COCO DIETHANOLAMIDE		68603-42-9	2 - 5		N/D		N/D

This product contains no ingredients that are listed in the SARA III, Section 313 Inventory.

PHYSICAL PROPERTIES - SECTION II

APPEARANCE: CLEAR GREEN LIQUID WITH MILD CITRUS ODOR
pH: 7 ± 1
VISCOSITY: 100 CPS
FREEZING POINT: 32° F, WATER
BOILING POINT: 212° F, WATER
VAPOR PRESSURE: 17.5
VAPOR DENSITY: <1
SOLUBILITY IN WATER: COMPLETE
VOLATILE (% WT): 65 - 70
SPECIFIC GRAVITY: 1.06
EVAPORATION RATE: <1

FIRE AND EXPLOSION HAZARD - SECTION III

FLASH POINT: NONE, WATER SOLUTION
LOWER EXPLOSION LIMIT: N/A UPPER EXPLOSION LIMIT: N/A
AUTO IGNITION TEMP: N/A
EXTINGUISHING MEDIUM: FOAM, CO₂, DRY CHEMICAL, WATER SPRAY

SPECIAL FIRE FIGHTING PROCEDURES:

NORMAL FIRE FIGHTING PROCEDURES MAY BE USED. COOL AND USE CAUTION WHEN APPROACHING FIRE-EXPOSED CONTAINERS

UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE EXPECTED.

HEALTH HAZARDS - SECTION IV

THRESHOLD LIMIT VALUES: NONE ESTABLISHED
PRIMARY ROUTES OF EXPOSURE: EYE, SKIN
CARCINOGENS OR SUSPECTED CARCINOGENIC INGREDIENTS: NONE
EFFECTS OF OVEREXPOSURE:

IF IN EYES - CAUSES EYE IRRITATION.

IF ON SKIN - MAY CAUSE IRRITATION ON PROLONGED CONTACT. REPEATED CONTACT MAY CAUSE REDNESS AND DRY, CRACKED SKIN.

IF INHALED - MISTS MAY CAUSE CHEST DISCOMFORT, SNEEZING AND COUGHING.

IF SWALLOWED - MAY CAUSE NAUSEA, VOMITING AND GENERAL DISTRESS.

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EMERGENCY AND FIRST AID PROCEDURES:

IF IN EYES: FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES. HOLD EYELIDS APART TO ENSURE FLUSHING OF ENTIRE EYE SURFACE. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

IF ON SKIN: FLUSH THOROUGHLY WITH WATER. WASH CLOTHING BEFORE REUSE.

IF SWALLOWED: WASH MOUTH WITH WATER. DILUTE BY GIVING WATER TO DRINK AND CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING.

REACTIVITY - SECTION V

STABILITY: STABLE

CONDITIONS TO AVOID: N/A

HAZARDOUS DECOMPOSITION PRODUCTS: BURNING MAY CAUSE FORMATION OF CARBON DIOXIDE, CARBON MONOXIDE, AMMONIA.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS (e.g. MURIATIC), STRONG OXIDIZING AGENTS.

SPILLS OR LEAK PROCEDURE - SECTION VI

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

FOR SMALL SPILLS THAT CAN BE HANDLED ROUTINELY, MOP UP AS MUCH AS POSSIBLE, THEN FLUSH RESIDUE WITH LARGE VOLUMES OF WATER.

FOR LARGE SPILLS, COLLECT WITH SUITABLE ABSORBENT, SWEEP UP AND PLACE BULK MATERIAL IN CONTAINER AND REMOVE FOR DISPOSAL UNDER CURRENT STATE, LOCAL AND FEDERAL REGULATIONS. FLOORS MAY BE SLIPPERY; USE CARE TO AVOID FALLING.

WASTE DISPOSAL METHODS:

SMALL QUANTITIES CAN BE FLUSHED INTO SANITARY SEWER, FOR LARGE QUANTITIES DISPOSE OF IN APPROVED DISPOSAL FACILITY AS INDICATED ABOVE.

SPECIAL PROTECTION - SECTION VII

VENTILATION TYPE: GENERAL ROOM VENTILATION IS NORMALLY ADEQUATE; SUBSTANTIAL MISTING CAN BE CONTROLLED WITH LOCAL EXHAUST.

RESPIRATORY PROTECTION: NONE NEEDED UNDER NORMAL USE CONDITIONS. IF MISTS ARE NOT CONTROLLED BY LOCAL EXHAUST, USE NIOSH APPROVED RESPIRATOR.

PROTECTIVE GLOVES: IMPERVIOUS FOR PROLONGED USE.

EYE PROTECTION: SAFETY GLASSES IF SPLASHING LIKELY.

OTHER PROTECTIVE EQUIPMENT: USE GOOD PERSONAL HYGIENE PRACTICES.

STORAGE AND HANDLING - SECTION VIII

KEEP FROM FREEZING. STORE AT 50° - 120° F. PROTECT FOOD PRODUCTS AND PACKAGING BEFORE USING. PRODUCT RESIDUE MAY REMAIN ON/IN EMPTY CONTAINERS. USE SAME PRECAUTIONS AS FOR FULL CONTAINER.

SHIPPING - SECTION IX

PROPER SHIPPING NAME: COMPOUNDS, CLEANING LIQUID, NOI

MISCELLANEOUS - SECTION X

ABBREVIATIONS: N/A: NOT APPLICABLE

UNK: UNKNOWN

N/D: NOT DETERMINED

< : LESS THAN

N/E: NOT ESTABLISHED

> : GREATER THAN

PREPARED BY: JOHN ROTH