

MATERIAL SAFETY DATA SHEET

TILE STAR NEUTRAL CLEANER

DATE: 12/31/03

SUPERSEDES: 3/1/02

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: TILE STAR NEUTRAL CLEANER
PRODUCT TYPE: LIQUID HARD SURFACE CLEANER
CHEMICAL FORMULA: MIXTURE
CHEMICAL NAME: SURFACTANT CLEANER

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>
LINEAR PRIMARY ALCOHOL ETHOXYLATE	68439-46-3		4 - 8	N/E		N/E	

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

PHYSICAL PROPERTIES - SECTION II

APPEARANCE: CLEAR YELLOW LIQUID WITH CITRUS ODOR
pH: 7 - 8.5
VISCOSITY: 4 - 5
FREEZING POINT: 32° F, WATER
BOILING POINT: 212° F, WATER
VAPOR PRESSURE: <18
VAPOR DENSITY: <1
SOLUBILITY IN WATER: COMPLETE
VOLATILE (% WT): 95
SPECIFIC GRAVITY: 1.01
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, ALCOHOL FOAM, CO₂, DRY CHEMICAL, WATER SPRAY
SPECIAL FIRE FIGHTING PROCEDURES:
COOL AND USE CAUTION WHEN APPROACHING FIRE-EXPOSED CONTAINERS
UNUSUAL FIRE AND EXPLOSION HAZARDS:
CONTAINERS MAY BURST IN HEAT OF FIRE

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 - UNDILUTED PRODUCT SPLASHED IN EYES WILL CAUSE IRRITATION.
IF ON SKIN - BRIEF CONTACT WITH PRODUCT SHOULD NOT PRODUCE ANY HARMFUL EFFECTS, BUT
PROLONGED CONTACT, AS FROM CLOTHING WET WITH PRODUCT, MAY CAUSE
IRRITATION.
IF INHALED - NO HARMFUL EFFECTS AS ORDINARILY USED. IF SPRAY MISTED, MAY CAUSE
CHEST DISCOMFORT AND COUGHING.
IF SWALLOWED - MAY CAUSE NAUSEA, VOMITING AND DIARRHEA.

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EMERGENCY AND FIRST AID PROCEDURES:

IF IN EYES: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. IF DISCOMFORT PERSISTS, SEEK MEDICAL ATTENTION.

IF ON SKIN: RINSE THOROUGHLY WITH WATER.

IF INHALED: GO TO FRESH AIR.

IF SWALLOWED: GIVE TWO GLASSES OF WATER AND INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.

REACTIVITY - SECTION V

STABILITY: STABLE

CONDITIONS TO AVOID: NONE KNOWN

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITY (MATERIALS TO AVOID): AVOID STRONG OXIDIZING AND REDUCING 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, WIPE UP AND FLUSH AREA WITH WATER.

FOR LARGE SPILLS, COLLECT PRODUCT WITH SUITABLE ABSORBENT AND COLLECT FOR DISPOSAL.

FLOORS MAY BE SLIPPERY; USE CARE TO AVOID FALLING.

WASTE DISPOSAL METHODS:

FOR LARGE SPILLS - LANDFILL ABSORBED MATERIAL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SPECIAL PROTECTION - SECTION VII

VENTILATION TYPE: GENERAL ROOM VENTILATION UNDER NORMAL USE WHERE MISTING UNLIKELY.

RESPIRATORY PROTECTION: NONE NEEDED UNDER NORMAL USE CONDITIONS. WHERE SUBSTANTIAL MISTING LIKELY, USE NIOSH APPROVED RESPIRATOR.

PROTECTIVE GLOVES: NONE REQUIRED, IMPERVIOUS FOR PROLONGED USE.

EYE PROTECTION: SAFETY GLASSES IF SPLASHING LIKELY.

OTHER PROTECTIVE EQUIPMENT: NONE

STORAGE AND HANDLING - SECTION VIII

KEEP FROM FREEZING. STORE AT 50° - 110° F.

SHIPPING - SECTION IX

PROPER SHIPPING NAME: COMPOUNDS, CLEANING LIQUID, NOI

MISCELLANEOUS - SECTION X

VOC: 0

ABBREVIATIONS:

N/A: NOT APPLICABLE

UNK: UNKNOWN

N/D: NOT DETERMINED

< : LESS THAN

N/E: NOT ESTABLISHED

> : GREATER THAN

PREPARED BY: JOHN ROTH