

LAST REVISION DATE: 04/01/08
MANUFACTURER FOR: Tile Doctor
 1165 Miles St, Johnstown, Pa. 15902
 Phone: 800-344-7572

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident **CALL INFOTRAC - Day or Night 1-800-4535-5053** Toll Free in the Continental US

SECTION 1: GENERAL INFORMATION

PRODUCT NAME: ICU Deep Scrub Detergent
PRODUCT #: tdcu
PRECAUTIONS: Corrosive. Do not get in eyes, on skin or clothing. Keep container sealed when not in use. Keep out of reach of children.
FLAMMABILITY: 1
REACTIVITY: 0
HEALTH: 3
NFPA HAZARD RATINGS
 4-EXTREME 3-HIGH 2-MODERATE
 1-SLIGHT 0-INSIGNIFICANT

SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENT: Monoethanolamine
CAS#: 141-43-5 3+
OSHA PEL: 3 ppm (TWA)
ACGIH TLV: 6 ppm (STEL)
LD 50 SPECIES & ROUTE: 1.2 g/kg rat, oral

INGREDIENT: *Ethylene Glycol Butyl (Solvent)
CAS#: 111-76-2 10%+
OSHA PEL: 50 ppm (skin) (TWA)
ACGIH TLV: 20 ppm (skin) (TWA)
LD 50 SPECIES & ROUTE: 0.5 g/kg rat, oral
 * This chemical is subject to the reporting requirements of Section 313 of SARA Title III.
 N/E = Not Established, N/L = Not Listed
 N/A = Not Applicable

INGREDIENT: Potassium Hydroxide
CAS#: 1310-58-3 3+
OSHA PEL: 3 ppm (TWA)
ACGIH TLV: 6 ppm (STEL)
LD 50 SPECIES & ROUTE: 1.2 g/kg rat, oral

NON HAZARDOUS INGREDIENTS
PROPRIETARY INFORMATION

SECTION 3: PHYSICAL/CHEMICAL DATA

APPEARANCE: Clear liquid
pH: 12.0 ± 0.5
BOILING POINT: 100°C / 212°F
EVAPORATION RATE: Less than water
FREEZING POINT: 0°C / 32°F
VAPOR DENSITY: Greater than air
VOLATILE BY WEIGHT: 92-95%
VAPOR PRESSURE: Less than water
DENSITY: 8.3 lb per gal @ 68°F
 1.00 kg per liter @ 20°C
SOLUBILITY IN WATER: Miscible

SECTION 4: FIRE AND EXPLOSION DATA

FLASH POINT: 150°F, 66°C ASTM method D56
EXPLOSIVE LIMITS:
LOWER: N/E **UPPER:** N/E
EXTINGUISHING MEDIA: Water spray, CO2, dry chemical, alcohol-type or universal type foams
SPECIAL FIRE FIGHTING PROCEDURES: Do not spray a solid stream of water or foam directly into hot liquid. This may cause frothing.
 Firefighters should wear NIOSH approved breathing apparatus.
HAZARDOUS COMBUSTIBLE PRODUCTS: N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS:
 Materials can splatter above 100°C / 212°F.

SECTION 5: REACTIVITY DATA

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY (MATERIALS TO AVOID):
 Strong acids and strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS:
 Carbon monoxide, carbon dioxide and nitrogen oxides
REACTIVITY CONDITIONS: None

SECTION 6: HEALTH HAZARD DATA

EYES: May cause severe burns or possible corneal damage. For eye contact, flush with a large amount of water for at least 15 -20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. See a physician immediately.
SKIN: Irritation, reddening or possible damage upon repeated or prolonged contact. For skin contact, wash affected areas 15-20 minutes while removing contaminated clothing or footwear. Seek medical attention for further medical advice.
INHALATION: Vapor or mist can cause headache, nausea and irritation of the eyes, nose, throat and lungs. For overexposure, move subject to fresh air. Seek medical attention if symptoms persist.
INGESTION: May cause nausea, abdominal discomfort, vomiting, diarrhea. If ingested, do not induce vomiting. Drink one glass of water or milk as soon as possible to rinse throat. Immediately call poison control or doctor for treatment advice. Flush mouth thoroughly.
CHRONIC EFFECTS & MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Main hazard is due to product's severe irritant properties. Treatment should be directed at the control of symptoms and the clinical condition of the patient.
CARCINOGEN: Non-carcinogenic
REPRODUCTIVE EFFECTS: N/E
TERATOGENICITY: N/E
MUTAGENICITY: N/E
THRESHOLD LIMIT VALUE: See Section II.

SECTION 7: SPILLS, LEAK & DISPOSAL PROCEDURES

SMALL SPILLS: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations. Neutralize residue with vinegar, mild acid or large amount of water.

LARGE SPILLS: Keep spectators away. Floors may be slippery; use care to avoid falling. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid material to separate containers for disposal. Keep spills and cleaning runoff out of sewers and open bodies of water.
WASTE DISPOSAL: Dispose of as waste material in accordance with local, state, and federal regulations.

SECTION 8: SPRECIAL PROTECTION

EYE PROTECTION: Chemical splash goggles (ANSI Z87.1-1989 or approved equivalent)
RESPIRATORY PROTECTION: None required when permissible airborne concentrations are not exceeded. In emergency, use approved positive pressure self-contained breathing device.
VENTILATION: Mechanical local exhaust ventilation at point of contamination release
OTHER PROTECTIVE EQUIPMENT: As required by employer code. Rubber boots and chemical resistant gloves recommended.

SECTION 9: SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Storage temperature (MAX. 60°C / 140°F) (MIN. 1°C /34°F)
OTHER PRECAUTIONS: Keep from freezing.

SECTION 10: ADDITIONAL INFORMATION

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 This MSDS has been provided to you in accordance with the OSHA HAZARD COMMUNICATION STANDARD (29CFR1910.1200).

***IMPORTANT SAFETY INFORMATION
 DO NOT DISCARD***
 PLEASE ROUTE TO COMPANY SAFETY OFFICER

ICU
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