

DE-SCALE II

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT NAME: **DE-SCALE II**

CHEMICAL NAME: ALKALINE DETERGENT CONCENTRATE

SUPPLIER: TERMAC CORP, 7330 Tulip Street, Philadelphia, PA 19136

PHONE NUMBER: (215) 332-2100

EMERGENCY TELEPHONE NUMBER: Chem-Tel Inc. 1-(800) 255-3924

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Substance Name</u>		<u>Approx. Wt%</u>
Urea Monohydrochloride	(506-89-8)	0-50 %

Warning! Corrosive Liquid

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Clear, Colorless Liquid. Corrosive and irritating to the skin and eyes if prolonged exposure occurs

	<u>Health</u>	<u>Fire</u>	<u>Safety</u>	<u>PPI</u>
NFPA	2	0	0	
HMIS	2	0	0	

POTENTIAL HEALTH EFFECTS: Irritating/corrosive to the eyes. Prolonged repeated skin contact may cause skin irritation and/or dermatitis. Low viscosity material- if swallowed may enter the lungs and cause lung damage. May be fatal if swallowed

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water for fifteen minutes to one half hour.

INHALATION: Not anticipated to be primary source of entry.

INGESTION: Drink 4-6 glasses of water. Seek immediate medical attention. Do not induce vomiting.

NOTE TO PHYSICIANS: Material if aspirated into the lungs may cause damage.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Water should be used to keep fire-exposed containers cool. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

(DE-SCALE II MSDS, Page 2)

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Exposure to fire can generate toxic fumes.

COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, water.

6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:

LAND SPILL: Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping using explosion-proof equipment or contain spilled liquid with sand or other suitable absorbent and remove mechanically into containers. .

ENVIRONMENTAL PRECAUTIONS: Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation.

7. HANDLING AND STORAGE

HANDLING: Avoid prolonged repeated skin contact. Wear appropriate gloves and goggles, face shields if possibility of splashing exists

STORAGE: Keep containers closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Protect against direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Use in well ventilated area with local exhaust ventilation. If mists are generated, use adequate ventilation, local exhaust or enclosures to control below exposure limits.

RESPIRATORY PROTECTION: Use supplied-air respiratory protection in confined or enclosed spaces, if needed.

EYE PROTECTION: If splash with liquid is possible, chemical type goggles should be worn.

SKIN PROTECTION: Impervious gloves should be worn. Good personal hygiene practices should always be followed.

(DE-SCALE II MSDS, Page 3)

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, pink/red liquid

ODOR: NONE

SOLUBILITY IN WATER: Complete

pH: 2.5 - 4.0

SPECIFIC GRAVITY: 1.01-1.04

VOC CONTENT: < 1.0 %

10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.

CONDITIONS TO AVOID: Extreme heat and high energy sources of ignition.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL DATA

---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): NOT DETERMINED

DERMAL TOXICITY (RABBITS): CORROSIVE / IRRITATING

INHALATION TOXICITY (RATS): NOT A PRIMARY ROUTE OF EXPOSURE

SENSITIZATION: NON-SENSITIZING

CARCINOGENICITY: NOT A CARCINOGEN

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND EFFECTS:

96 hour LC >140 mg/L (rainbow trout)

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Product may be suitable for land-filling or may be direct to sewer if appropriate by local ordinances.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. The unused product should be disposed of in accordance with local and federal regulations.

(DE-SCALE II MSDS, Page 4)

14. TRANSPORT INFORMATION

US DOT: NOT REGULATED
IATA, IMDG, TDG (AS BELOW)
PROPER SHIPPING NAME:
CORROSIVE LIQUIDS (N.O.S. UREA MONOHYDROCHLORIDE)
HAZARD CLASS: 8
DOT IDENTIFICATION NUMBER: UN1760
PACKING GROUP: 3
USA DOT: NOT REGULATED

15. REGULATORY INFORMATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

Governmental Inventory Status: All components comply with TSCA.

SARA (311/312) REPORTABLE HAZARD CATEGORIES:

Acute: Yes

Chronic: Yes

Fire: No

Reactivity: No

Sudden Release of Pressure: No

SARA 313: None

AICS: All components listed

DSL: All components listed

EINECS: All components listed

TSCA: All components listed

WHMIS: Class D, Division 2B

DSCL:

R36, R37, R38 = irritating to eyes, respiratory and skin

S 2 = keep out of the reach of children

Disclaimer:

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