MATERIAL SAFETY DATA SHEET

Total Solutions P.O. Box 240014 Milwaukee, WI 53224 TOTAL SOLUTIONS

REVISION DATE: November 7, 2004 DATE OF ISSUE: November 9, 2004

GENERAL INFORMATION NUMBER: (414) 354-6417

CHEMTREC: (800) 424-9300

I - Product Identification

Clear Cut

PRODUCT CODE: 1718

CHEMICAL FORMULATION: Water based alkaline detergent/cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0 HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

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	APPROX	OSHA	ACGIH	EPA 40 CFR:				
SUBSTANCE	<u>%</u>	<u>PEL</u>	$\underline{\mathbf{TLV}}$	<u>302</u>	<u>355</u>	<u>372</u>	CAS#	
2-Butoxyethanol	1.00-10.0	25 ppm (skin)	25 ppm (skin)	N	N	Y	111-76-2	
Monoethanolamine	1.00-10.0	3 ppm	3 ppm	N	N	N	141-43-5	
Cocodiethanolamide	1.00-3.00	N/E	N/E	N	N	N	120-40-1	
Trisodium Phosphate	1.00-3.00	N/E	N/E	N	N	N	7601-54-9	

Key: **PEL**: Permissible Exposure Limit **N/A**: Not Applicable **TLV:** Threshold Limit Value **C**: Ceiling level **STEL**: Short Term Exposure Limit **N/E**: Not Established **Y**: Yes **N**: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

 $\textbf{355} : SARA\ TITLE\ III\ /\ List\ of\ Extremely\ Hazardous\ Substances\ for\ Emergency\ Planning\ and\ Notification\ (40\ CFR\ 355).$

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR = 1): N/D

SPECIFIC GRAVITY (WATER = 1): 1.00

VOC CONTENT (% by weight): 5.00-15.0

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Soluble **pH:** 11.5-12.5

APPEARANCE AND ODOR: Clear, colorless to slight yellow liquid; mild detergent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): None (TEST METHOD): Closed cup FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool drums in vicinity of fire with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: None.

PRODUCT CODE: 1718

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Strong acids. **CONDITIONS TO AVOID:** None

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: X EYE CONTACT: X SKIN CONTACT: X INGESTION: X INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None.

EFFECTS OF OVEREXPOSURE

IF IN EYES: Moderate irritation and redness.

IF ON SKIN: Slight to moderate irritation with prolonged or repeated contact.

IF SWALLOWED: May cause burns to mucous membranes, nausea, diarrhea.

IF INHALED: Irritation of respiratory tract, headache.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain medical attention.

IF ON SKIN: Flush skin with water for 15 minutes while removing contaminated clothing. Obtain medical attention if irritation persists. Launder clothing separately before re-use.

IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting unless told to do so by a poison control center or doctor. Rinse mouth with water and give affected person one to two glasses of water. Never give anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. If breathing stops, administer artificial respiration. If breathing is difficult, give oxygen.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spill and ventilate area. Soak up on inert absorbent material and place in a properly labeled closed container for disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION LOCAL: Recommended MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses or chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Protective clothing and eye wash station.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from acids. Do not mix with other cleaning chemicals. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None

DOT CLASS: None **DOT ID NUMBER:** None **DOT PACKING GROUP:** None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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