

# MATERIAL SAFETY DATA SHEET

Total Solutions  
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GENERAL INFORMATION NUMBER: (414) 354-6417  
CHEMTREC: (800) 424-9300

REVISION DATE: September 8, 2003  
DATE OF ISSUE: March 3, 2006

## I - Product Identification

### dB Solvent WA

PRODUCT CODE: 0432

CHEMICAL FORMULATION: Water based alkaline cleaner.

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

## II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
d-Limonene	5.00-15.0	N/E	N/E	Y	N	N	5989-27-5
1-Butoxy-2-propanol	5.00-15.0	N/E	N/E	N	N	N	5131-66-8
Sodium Metasilicate	1.00-3.00	N/E	N/E	N	N	N	6834-92-0
Potassium Hydroxide	1.00-3.00	2 mg/m <sup>3</sup> C	2 mg/m <sup>3</sup> C	Y	N	N	1310-58-3
Cocodiethanolamide	1.00-3.00	N/E	N/E	N	N	N	67785-11-9
Ethoxylated alkyl amine	1.00-3.00	N/E	N/E	N	N	N	68478-95-5
Ethoxylated alcohols phosphate ester	1.00-3.00	N/E	N/E	N	N	N	68130-47-2
1-Methoxy-2-propanol	< 2.00	100 ppm	100 ppm	N	N	N	107-98-2

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit  
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No  
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).  
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 SPECIFIC GRAVITY: 0.997  
VAPOR PRESSURE (mm Hg): N/D VOC CONTENT (% by weight): N/D  
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D  
SOLUBILITY IN WATER: Soluble pH: 12.75-13.75  
APPEARANCE AND ODOR: Slightly translucent, yellow liquid, detergent odor.

## IV - Fire and Explosion Hazard Data

FLASH POINT (°F): 124 (TEST METHOD): Closed cup.  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/A LOWER: N/A  
EXTINGUISHING MEDIA: Water spray, foam, carbon dioxide, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters must be equipped with full protective gear including self-contained breathing apparatus. Cool fire-exposed containers with water fog.  
UNUSUAL FIRE AND EXPLOSION HAZARD: Product can release vapors that form combustible mixtures at temperatures at or above the flashpoint.

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**V - Reactivity Data**

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**STABILITY:** Stable.

**INCOMPATIBILITY:** Strong acids and oxidizers.

**CONDITIONS TO AVOID:** Heat, sparks and open flame.

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

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None.

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**VI - Health Hazard Data**

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**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 to severe irritation, redness, tearing, possible destruction of tissue.

**IF ON SKIN:** Moderate to severe irritation with prolonged or repeated contact to concentrate. Contains a possible sensitizer.

**IF SWALLOWED:** Gastrointestinal irritation, nausea, cramps, diarrhea. May be harmful if swallowed.

**IF INHALED:** Irritation to respiratory tract.

**EMERGENCY AND FIRST AID PROCEDURES**

**IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

**IF ON SKIN:** Flush area with cool water. Remove contaminated clothing and launder separately before reuse. Obtain medical attention, if irritation persists.

**IF SWALLOWED:** Call a physician or poison control center immediately. Give person 1 to 2 glasses of water. Do not induce vomiting unless instructed by a physician or poison control center. Never give anything by mouth to an unconscious person.

**IF INHALED:** Remove person to fresh air. If irritation persists, obtain medical attention.

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**VII - Spill or Leak Protection**

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**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Ventilate area and remove all sources of ignition. Contain spill. Soak up spilled material with inert absorbent material and place in a properly labeled container for proper disposal.

**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

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**VIII - Special Protection Information**

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**RESPIRATORY PROTECTION:** Use with adequate ventilation. 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:** Eye wash station.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool dry area, away from acids, heat, sparks or open flame. Keep container tightly closed when not in use.

**OTHER PRECAUTIONS:** Keep out of reach of children.

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**IX - Transportation Information (ground transportation only)**

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**DOT PROPER SHIPPING NAME:** Compounds, cleaning liquid (Potassium Hydroxide)

**DOT CLASS:** 8

**DOT ID NUMBER:** NA1760

**DOT PACKING GROUP:** III

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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**REVISED DATE:** September 8, 2003

**Prepared by:** PMR

**DATE OF ISSUE:** March 3, 2006

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