

**ETOWAH CHEMICAL**  
**SALES & SERVICE**  
P.O. BOX 4416  
GADSDEN, AL 35904-0416  
(800) 848-8541



**N. F. P. A.**  
4 = Extreme  
3 = High  
2 = Moderate  
1 = Slight  
0 = Insignificant

<b>HEALTH</b>	<b>2</b>
<b>FIRE</b>	<b>0</b>
<b>REACTIVITY</b>	<b>1</b>
<b>PERSONAL PROTECTION</b>	<b>B</b>

## Material Safety Data Sheet

24 Hour Emergency Telephone Number: (800) 535-5053

### SECTION I - IDENTIFICATION

<b>Product Name</b>	<b>X-15 -BWK</b>	<b>Date last Revised</b>	AUG 2009
<b>Chemical Family</b>	ALKALINE DETERGENT	<b>Item Number</b>	
<b>Proper D.O.T. Shipping Name</b>	COMPOUND, CLEANING, LIQUID (POTASSIUM HYDROXIDE SOLUTION) BIODEGRADABLE		
<b>D.O.T. Hazard Classification</b>	8, UN-1814, PG II, CORROSIVE		

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

% By Weight	Material	PEL	T. L. V.	C. A. S. No.
< 10.0	POTASSIUM HYDROXIDE	2mg/m3	500	1310-58-3
< 2.0	BUTYL CELLOSOLVE	25ppm	25ppm	111-76-2
Balance non-hazardous ingredients				

### SECTION III - PHYSICAL DATA

<b>Boiling Point</b>	215 DEG. F	<b>pH (Conc.)</b>	13.0
<b>Solubility In Water</b>	COMPLETE	<b>pH (Use Dilution)</b>	12.0
<b>% Volatility By Weight</b>	95	<b>Evaporation Rate</b>	WATER 1.0
<b>Specific Gravity</b>	1.0	<b>Physical Form</b>	LIQUID
<b>Appearance And Odor</b>	CLEAR, BLUE LIQUID		

### SECTION IV - FIRE AND EXPLOSION DATA INGREDIENTS/IDENTITY

<b>Flash Point</b>	NONE
<b>Extinguishing Media</b>	N/A
<b>Flammable Limits</b>	N/A
<b>Special Fire Fighting Procedures</b>	CONCENTRATED PRODUCT CAN REACT W/ALUMINUM, ZINC AND MAGNESIUM TO RELEASE HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES.
<b>Unusual Fire and Explosion Hazards</b>	NO DATA

### SECTION V - REACTIVITY DATA

<b>Stability</b>	STABLE
<b>Conditions to Avoid</b>	EXTREME HEAT
<b>Incompatibility</b>	AVOID: NON-FERROUS METALS, SKIN, ACID
<b>Hazardous Decomposition Products</b>	NO DATA
<b>Hazardous Polymerization</b>	WILL NOT OCCUR

<b>SECTION VI - HEALTH HAZARD</b>	
<b>Routes(s) of Entry</b>	<b>Inhalation? NO   Skin? YES   Ingestion? NO</b>
<b>Health Hazards (Acute and Chronic)</b>	EYES: CAN CAUSE IRRITATION, REDNESS AND BURNS. SKIN: CAN CAUSE IRRITATION AND DERMATITIS. INGESTION: CAUSES BURNS OF GASTRO-INTENSIONAL TRACT. INHALATION: EXCESSIVE INHALATION CAN CAUSE NASAL AND RESPIRATORY IRRITATION.
<b>Carcinogenicity</b>	<b>NTP? NO   IARC Monographs? NO   OSHA Regulated? NO</b>
<b>Emergency Aid and First Aid Procedures</b>	EYES: FLUSH WITH WATER FOR 15 MINUTES. IF EYE DAMAGE OCCURS, CONSULT AN OPHTHALMOLOGIST. SKIN: FLUSH WITH WATER FOR 15 MINUTES. INHALATION: REMOVE TO FRESH AIR . IF BREATHING IS DIFFICULT ADMINISTER OXYGEN. INGESTION: DO NOT INDUCE VOMITING DILUTE WITH WATER OR MILK. CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
<b>SECTION VII - SPILL OR LEAK PROCEDURES</b>	
<b>Spill Response</b>	CLEAN-UP WORKERS MUST USE PROTECTIVE CLOTHING TO PREVENT BODY CONTACT . PICK UP WITH WET MOP, WET VAC OR ABSORBENT MATERIAL. RINSE FLOOR WITH CLEAR WATER AND ALLOW FLOOR TO DRY BEFORE ALLOWING TRAFFIC.
<b>Waste Disposal Method</b>	DILUTE WITH WATER AND ADJUST pH WITH DILUTE ACID TO A pH BELOW 9.0, THEN FLUSH TO SANITARY SEWER OR SEND TO A SANITARY LANDFILL FOLLOWING LOCAL STATE AND FEDERAL REGULATIONS.
<b>SECTION VIII - SPECIAL PROTECTION INFORMATION</b>	
<b>Eye Protection</b>	WHEN EYE CONTACT MAY OCCUR, WEAR SAFETY GLASSES CHEMICAL SPLASH GOGGLES.
<b>Skin Protection</b>	WEAR RUBBER GLOVES.
<b>Ventilation</b>	NORMAL ROOM VENTILATION.
<b>Respiratory Protection</b>	NONE REQUIRED IN NORMAL CONDITIONS. WHEN EXCESSIVE MISTS ARE GENERATED ABOVE TLV'S USE A RESPIRATOR.
<b>Other Protection</b>	RUBBER BOOTS AND RUBBER APRONS WHEN HANDLING.
<b>SECTION IX - SPECIAL PRECAUTIONS</b>	
<b>Precautions in Handling and Storage</b>	KEEP OUT OF REACH OF CHILDREN. STORE AT ROOM TEMPERATURE . RINSE CONTAINER BEFORE DISCARDING. STORE AWAY FROM ACIDS.
<b>Other Precautions</b>	DO NOT USE UNDILUTED (AT LEASE 20 TO 1) ON ALUMINUM AND LATEX PAINTED SURFACES.
<b>PREPARED BY: David Brunton, Chemist</b>	
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