

**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

HEALTH	1
FIRE	0
REACTIVITY	1
PERSONAL PROTECTION	A

Material Safety Data Sheet

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

SECTION I - IDENTIFICATION

Product Name	COMANCHE	Date Prepared	JANUARY 2009
Chemical Family	ALKALINE DETERGENT	Item Number	ETC-1376
Proper D.O.T. Shipping Name	COMPOUND, CLEANING, LIQUID BIODEGRADABLE		
D.O.T. Hazard Classification	NOT REGULATED		

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

% By Weight	Material	PEL	T. L. V.	C. A. S. No.
< 1.5	SODIUM HYDROXIDE	2mg/m3	500	1310-73-2
< 3.0	2 BUTOXYETHANOL*	25 ppm	25 ppm	111-76-2
	ITEMS MARKED* ARE SARA TITLE III SEC 313 REPORTABLE			
	Balance non-hazardous ingredients			

SECTION III - PHYSICAL DATA

Boiling Point	215 DEG. F	pH (Conc.)	13.5
Solubility In Water	COMPLETE	pH (Use Dilution)	11.7 IN 1%
% Volatility By Weight	90 - 95	Evaporation Rate	WATER 1.0
Specific Gravity	1.070	Physical Form	LIQUID
Appearance And Odor	CLEAR, DARK BLUE, SOLVENT ODOR		

SECTION IV - FIRE AND EXPLOSION DATA INGREDIENTS/IDENTITY

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

SECTION V - REACTIVITY DATA

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

SECTION VI - HEALTH HAZARD		(PAGE 2 OC COMANCHE)	
Routes(s) of Entry	Inhalation? NO	Skin? YES	Ingestion? NO
Health Hazards (Acute and Chronic)	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.		
Carcinogenicity	NTP? NO	IARC Monographs? NO	OSHA Regulated? YES
Emergency Aid and First Aid Procedures	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.		
SECTION VII - SPILL OR LEAK PROCEDURES			
Spill Response	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.		
Waste Disposal Method	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.		
SECTION VIII - SPECIAL PROTECTION INFORMATION			
Eye Protection	WHEN EYE CONTACT MAY OCCUR, WEAR SAFETY GLASSES CHEMICAL SPLASH GOGGLES.		
Skin Protection	WEAR RUBBER GLOVES.		
Ventilation	NORMAL ROOM VENTILATION.		
Respiratory Protection	NONE REQUIRED IN NORMAL CONDITIONS. WHEN EXCESSIVE MISTS ARE GENERATED ABOVE TLV'S USE A RESPIRATOR.		
Other Protection	RUBBER BOOTS AND RUBBER APRONS WHEN HANDLING.		
SECTION IX - SPECIAL PRECAUTIONS			
Precautions in Handling and Storage	KEEP OUT OF REACH OF CHILDREN. STORE AT ROOM TEMPERATURE . RINSE CONTAINER BEFORE DISCARDING. STORE AWAY FROM ACIDS.		
Other Precautions	DO NOT USE UNDILUTED (AT LEASE 20 TO 1) ON ALUMINUM AND LATEX PAINTED SURFACES.		
PREPARED BY: David Brunton, Chemist			
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