

ETOWAH CHEMICAL
SALES & SERVICE
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GADSDEN, AL 35904-0416
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N. F. P. A.
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

HEALTH	3
FIRE	0
REACTIVITY	1
PERSONAL PROTECTION	C

Material Safety Data Sheet

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

SECTION I - IDENTIFICATION

Product Name	Arrow - High Alkaline Cleaner	Date Prepared	MAY 2009
Chemical Family	ALKALINE CLEANER	Item Number	ETC-1375
Proper D.O.T. Shipping Name	CORROSIVE LIQUID, n.o.s., 100 % BIODEGRADABLE		
D.O.T. Hazard Classification	8, UN 1760, PG II (contains Sodium hydroxide)		

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

% By Weight	Material	PEL	T. L. V.	C. A. S. No.
<25	SODIUM HYDROXIDE	2 mg/m ³	00 2 mg/m ³	1310-72-2
Balance non-hazardous ingredients				

SECTION III - PHYSICAL DATA

Boiling Point	225 F	pH (Conc.)	ABOVE 14.0
Solubility In Water	COMPLETE	pH (Use Dilution)	1% 13.5
% Volatility By Weight	<70	Evaporation Rate	N/A
Specific Gravity	1.22	Physical Form	LIQUID
Appearance And Odor	CLEAR, AMBER LIQUID, MUSTY ODOR		

SECTION IV - FIRE AND EXPLOSION DATA INGREDIENTS/IDENTITY

Flash Point	NONE
Extinguishing Media	N/A
Flammable Limits	N/A
Special Fire Fighting Procedures	WEAR SELF-CONTAINED BREATHING APPARATUS OPERATED IN PRESSURE DEMAND MODE.
Unusual Fire and Explosion Hazards	CONCENTRATED PRODUCT CAN REACT WITH ALUMINUM, ZINC, MAGNESIUM AND COPPER TO FORM HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES.

SECTION V - REACTIVITY DATA

Stability	STABLE
Conditions to Avoid	EXTREME HEAT
Incompatibility	ACIDS, NON-FERROUS METALS, SKIN
Hazardous Decomposition Products	NONE
Hazardous Polymerization	WILL NOT OCCUR

SECTION VI - HEALTH HAZARD	
Routes(s) of Entry	Inhalation? Yes Skin? YES Ingestion? NO
Health Hazards (Acute and Chronic)	EYES: CAN CAUSE SEVERE IRRITATION AND BURNS. SKIN: BURNS AND IRRITATION. INGESTION: CAUSES BURNS OF GASTRO-INTENSIONAL TRACT. INHALATION: EXCESSIVE INHALATION CAN CAUSE NASAL AND RESPIRATORY IRRITATION.
Carcinogenicity	NTP? NO IARC Monographs? NO OSHA Regulated? NO
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 A SANITARY SEWER. DRY MATERIAL MUST BE SENT TO A HAZARDOUS WASTE LANDFILL FOLLOWING LOCAL STATE AND FEDERAL REGULATIONS.
SECTION VIII - SPECIAL PROTECTION INFORMATION	
Eye Protection	WEAR FACE SHIELDS AND 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 LEAST 100 TO 1) ON ALUMINUM OR LATEX PAINTED SURFACES.
PREPARED BY: David Brunton, Chemist	
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