

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	3
FIRE	0
REACTIVITY	1
PERSONAL PROTECTION	B

Material Safety Data Sheet

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

SECTION I - IDENTIFICATION

Product Name	HB-50 COLD WATER DEGREASER	Date last Revised	AUG 2009
Chemical Family	ALKALINE DETERGENT	Item Number	
Proper D.O.T. Shipping Name	CORROSIVE LIQUID, n.o.s., 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.
< 5.0	SODIUM HYDROXIDE	2mg/m3	500	1310-73-2
< 20.0	2-BUTOXY ETHANOL	25 ppm	25 ppm	111-76-2
Balance non-hazardous ingredients				

SECTION III - PHYSICAL DATA

Boiling Point	212 DEG. F	pH (Conc.)	13.9
Solubility In Water	COMPLETE	pH (Use Dilution)	1% 12.0
% Volatility By	95	Evaporation Rate	WATER 1.0
Specific Gravity	1.060	Physical Form	LIQUID
Appearance And Odor	CLEAR, YELLOW GREEN LIQUID		

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 OTHER REACTIVE METALS TO RELEASE HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES WITH AIR.

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	
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? 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 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 LEAST 50 TO 1) ON ALUMINUM AND LATEX PAINTED SURFACES.
PREPARED BY: David Brunton, Chemist	
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