

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	0
PERSONAL PROTECTION	B

Material Safety Data Sheet

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

SECTION I - IDENTIFICATION

Product Name	MEMBRANE CLEANER	Date last Revised	AUG 2009
Chemical Family	ALKALINE DETERGENT	Item Number	ETC-1212
Proper D.O.T. Shipping Name	COMPOUND, CLEANING, LIQUID, NON-CORROSIVE 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.
<5	AQUA AMMONIA	50 PPM	25 PPM 8 HR TWA	1336-21-6
Balance non-hazardous ingredients				

SECTION III - PHYSICAL DATA

Boiling Point	212 DEG. F	pH (Conc.)	10.4
Solubility In Water	COMPLETE	pH (Use Dilution)	1% 8.5-9.5
% Volatility By Weight	> 75	Evaporation Rate	WATER =1 >1
Specific Gravity	1.080	Physical Form	LIQUID
Appearance And Odor	CLEAR, AMBER; AMMONIA ODOR		

SECTION IV - FIRE AND EXPLOSION DATA INGREDIENTS/IDENTITY

Flash Point	NONE
Extinguishing Media	N/A
Flammable Limits	N/A
Special Fire Fighting Procedures	NORMAL PROCEDURES SHOULD BE EMPLOYED
Unusual Fire and Explosion Hazards	NONE

SECTION V - REACTIVITY DATA

Stability	STABLE
Conditions to Avoid	OXIDIZING AGENTS
Incompatibility	OXIDIZING AGENTS
Hazardous Decomposition Products	OXIDES OF CARBON
Hazardous Polymerization	WILL NOT OCCUR

SECTION VI - HEALTH HAZARD	
Routes(s) of Entry	Inhalation? YES Skin? NO Ingestion? NO
Health Hazards (Acute and Chronic)	Eyes: Can cause irritation, redness and burns. Skin: Can cause irritation and dermatitis. 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. 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
SECTION VIII - SPECIAL PROTECTION INFORMATION	
Eye Protection	Wear safety glasses chemical splash goggles.
Skin Protection	Wear rubber gloves.
Ventilation	Normal room ventilation.
Respiratory Protection	When excessive mists or fumes 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	INFORMATION 800-848-8541, 24 HOUR EMERGENCY NUMBER 800-535-5053 .
PREPARED BY: David Brunton, Chemist	
Disclaimer of Liability. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of the material. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Conforms to OSHA 174 , Sep. 1985.	