

ETOWAH CHEMICAL
SALES & SERVICE
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N. F. P. A.
4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

HEALTH	1
FIRE	0
REACTIVITY	1
PERSONAL PROTECTION	B

Material Safety Data Sheet

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

SECTION I - IDENTIFICATION

Product Name	SMOKEY	Date	MARCH 2009
Chemical Family	ALKALINE CLEANER	Item Number	ETC-1605
Proper D.O.T. Shipping Name	COMPOUND, CLEANING LIQUID, BIODEGRADABLE		
D.O.T. Hazard Classification	NOT REGULATED BIODEGRADABLE		

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

% By Weight	Material	PEL	T. L. V.	C. A. S. No.
< 5.0	SODIUM HYDROXIDE	2 MG/M3	2 MG/M3	1310-73-2
< 7.0	2-BUTOXYETHANOL	50 ppm	25 mg/m3	111-76-2
Balance non-hazardous ingredients				

SECTION III - PHYSICAL DATA

Boiling Point	212 F	pH (Conc.)	13.5
Solubility In Water	100 %	pH (Use Dilution)	11.5
% Volatility By	NA	Evaporation Rate	1
Specific Gravity	1.110	Physical Form	LIQUID
Appearance And Odor	GREEN-YELLOW LIQUID, MILD LEMON ODOR		

SECTION IV - FIRE AND EXPLOSION DATA INGREDIENTS/IDENTITY

Flash Point	NONE
Extinguishing Media	NA
Flammable Limits	NONE
Special Fire Fighting Procedures	WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN THE POSITIVE PRESSURE MODE WHEN FIGHTING FIRES.
Unusual Fire and Explosion Hazards	VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND AND BE IGNITED BY FLAMES AND IGNITION SOURCES DISTANT FROM MATERIAL HANDLING POINT.

SECTION V - REACTIVITY DATA

Stability	STABLE
Conditions to Avoid	NONE
Incompatibility	ACIDS
Hazardous Decomposition Products	NA
Hazardous Polymerization	WILL NOT OCCUR

SECTION VI - HEALTH HAZARD (PAGE 2 OF SMOKEY)	
Routes(s) of Entry	Inhalation? NO Skin? YES Ingestion? NO
Health Hazards (Acute and Chronic)	EYES: CAN CAUSE MODERATE TO SEVERE IRRITATION. SKIN: PROLONGED CONTACT CAN CAUSE MODERATE IRRITATION. INHALATION: EXCESSIVE BREATHING OF VAPORS MAY CAUSE HEADACHE AND RESPIRATORY IRRITATION. INGESTION: MAY CAUSE DIARRHEA, NAUSEA, VOMITING.
Carcinogenicity	NTP? NO IARC Monographs? NO OSHA Regulated? NO
Emergency Aid and First Aid Procedures	OREYES: FLUSH WITH WATER FOR 15 MINUTES OCCASIONALLY LIFTING THE LOWER AND UPPER LIDS. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: MOVE EXPOSED PERSON TO FRESH AIR. INGESTION: CALL A PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITING AT THE INSTRUCTION OF A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
SECTION VII - SPILL OR LEAK PROCEDURES	
Spill Response	SMALL SPILL: ABSORB ON VERMICULITE OR OIL DRY. LARGE SPILL: FLUSH THOROUGHLY WITH WATER. MAY CAUSE SLIPPERY CONDITIONS.
Waste Disposal Method	DILUTE WITH WATER AND ADJUST PH WITH ACID TO A PH BELOW 9.0, THEN FLUSH TO SANITARY SEWER, OR SEND TO SANITARY LANDFILL FOLLOWING LOCAL, STATE AND FEDERAL LAWS.
SECTION VIII - SPECIAL PROTECTION INFORMATION	
Eye Protection	SAFETY GLASSES
Skin Protection	GLOVES: NITRILE OR NEOPRENE.
Ventilation	MAINTAIN LOCAL VENTILATION TO KEEP TLV'S OF COMPONENTS BELOW THE THRESHOLDS.
Respiratory Protection	REQUIRED ONLY IN AREAS OF HIGH VAPOR CONCENTRATIONS OR IN AREAS WITH LITTLE VENTILATION.
Other Protection	NEOPRENE APRONS IF USED IN LARGE QUANTITIES.
SECTION IX - SPECIAL PRECAUTIONS	
Precautions in Handling and Storage	CONTAINERS OF THIS PRODUCT MAY BE HAZARDOUS WHEN EMPTIED BECAUSE OF RESIDUES (VAPORS).
Other Precautions	STORE AT ROOM TEMPERATURE. KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT ALLOW PRODUCT TO FREEZE.
PREPARED BY:	David Brunton, Chemist
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