

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

HEALTH	3
FIRE	3
REACTIVITY	0
PERSONAL PROTECTION	B

Material Safety Data Sheet

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

SECTION I - IDENTIFICATION

Product	Clean Thaw Freezer Cleaner	Date last Revised	AUG 2009
Chemical Family	Methanol Solution	Item Number	ETC-1808
Proper D.O.T. Shipping Name	Flammable Liquid, n.o.s		
D.O.T. Hazard Classification	3, UN 1993, PG II, (contains Methanol)		

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

% By Weight	Material	PEL	T. L. V.	C. A. S. No.
40-45	Methanol *	200 ppm	200 ppm	67-56-1
5-6	2 Butoxyethanol * Items marked * are SARA Title III Section 313 reportable.	50 ppm	25 ppm	111-76-2
Balance non-hazardous ingredients				

SECTION III - PHYSICAL DATA

Boiling Point	212 Deg. F	pH (Conc.)	6-8
Solubility In Water	Complete	pH (Use Dilution)	6-8
% Volatility By Weight	98	Evaporation Rate	H2O=1 >1
Specific Gravity	0.870	Physical Form	Liquid
Appearance And Odor	Clear purple, alcohol odor		

SECTION IV - FIRE AND EXPLOSION DATA INGREDIENTS/IDENTITY

Flash Point	50 F TCC
Extinguishing Media	Dry chemical, Foam, CO2, or Water Spray
Flammable Limits	N/A
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	Oxidizing agents
Incompatibility	Strong oxidizers(nitrates, hypochlorite), strong alkalies, acids
Hazardous Decomposition Products	Oxides of carbon
Hazardous Polymerization	Will not occur

SECTION VI - HEALTH HAZARD (PAGE 2 OF Clean Thaw Freezer Cleaner)			
Routes(s) of Entry	Inhalation?	YES	Skin? NO Ingestion? NO
Health Hazards (Acute and Chronic)	INGESTION: Causes severe irritation and inflammation of mouth, Severe stomach pains will follow with possible loss of consciousness, blindness . INHALATION: May cause irritation of nose throat and lung. SKIN: May cause redness and swelling. Continual contact with liquid causes drying. EYES: Exposure to high vapor levels or contact with liquid causes severe irritation and blurred vision.		
Carcinogenicity	NTP NO	IARC	NO OSHA Regulated? NO
Emergency Aid and First Aid Procedures	INGESTION: Drink 2 glasses of water. Induce vomiting. Administer 1tsp. of baking soda in a glass of water. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Get medical attention. INHALATION: Remove to fresh air. If not breathing give artificial respiration. Get medical attention immediately. SKIN: Remove contaminated clothing and wash contaminated skin with plenty of soap and water. If irritation continues seek medical attention. EYES: Flush with large quantities of water for 15 minutes. Seek medical attention immediately.		
SECTION VII - SPILL OR LEAK PROCEDURES			
Spill Response	Clean- up workers must use protective clothing to prevent body contact. Eliminate ignition sources. Keep upwind and evacuate area until fumes have dissipated. Place leaking container in well ventilated area. Flush area with water and allow floor to dry before allowing traffic. All clean up efforts should be done in accordance with all local, state and federal laws.		
Waste Disposal Method	Utilize licensed waste disposal company. Consider recycling or incineration. Utilize permitted hazardous waste disposal site or industrial waste disposal site as appropriate.		
SECTION VIII - SPECIAL PROTECTION INFORMATION			
Eye Protection	WEAR CHEMICAL SPLASH GOGGLES		
Skin Protection	NEOPRENE GLOVES AND APRONS		
Ventilation	Ventilation is recommended where appropriate to control employee exposure.		
Respiratory Protection	NIOSH approved respirator(air purifying) if TLV's are exceeded.		
Other Protection	N/A		
SECTION IX - SPECIAL PRECAUTIONS			
Precautions in Handling and Storage	Keep containers closed. Keep away from heat, flame, and sources of ignition. Store in well ventilated. Prevent skin contact. Do not breath vapors! This material is poisonous when introduced into the body. Do not ingest.		
PREPARED BY: David Brunton, Chemist			
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