

(10966)



Kem Canada Mfg., 1875 DREW ROAD, MISSISSAUGA, ON

WHMIS: D1A, E

1. PRODUCT IDENTIFICATION:

PRODUCT NAME: PHOSPHATE REAGENT "AM" MSDS DOCUMENT CODE: TR411099	PRODUCT CODES: TR411500
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2. HAZARDOUS INGREDIENTS

Name	CAS #	% Range	TLV	LD ₅₀ (Oral Rat)	LC ₅₀ (Inh. Rat)
Sulphuric Acid	7664-93-9	10.0-15.0	1 mg/m ³	2140 mg/kg	510 mg/m ³ /2Hr.
Ammonium Molybdate	13106-76-8	1.0-5.0	No Data	1820 mg/kg (Rbt.)	No Data

3. PHYSICAL DATA:

Odour and Appearance: Clear, yellow coloured liquid; odourless.					
Odour Threshold: Not available	Specific Gravity: 1.09	Vapour Pressure: Not Available		Vapour Density: (Air-1) >1	
Evaporation Rate: (Water=1) >1	Solubility in Water: Soluble	Boiling Point: >0°C		Freezing Point: >0°C	
% Volatile (by wt.): Not Available	pH (1.0% Sol'n): <1	Density: Not applicable		Coeff. Oil/Water Distr: Not available	

4. FIRE & EXPLOSION DATA:

Flash Point (method): Non flammable	LEL: Not applicable	UEL: Not applicable	Autoignition Temp. Not available
Extinguishing Media: As appropriate for surrounding materials.			
Hazardous Combustion Products: Oxides of sulphur, ammonia, oxides of nitrogen.			
Special Fire Fighting Procedures: Wear full protective gear including self contained breathing apparatus.			
Unusual Fire & Explosion Hazards: Contact with fine metals can liberate flammable hydrogen gas.			

5. REACTIVITY DATA:

Stability: Stable
Conditions to Avoid: Not applicable
Incompatibility: Metals, alkalis, strong reducing agents.
Hazardous Decomposition Products: Oxides of sulphur and nitrogen.

6. HEALTH HAZARD DATA:

Primary Route of Entry:	Eyes: Yes	Skin: Yes	Inhalation: Yes	Ingestion: Yes
Acute Effects:				
Eyes: Corrosive. Can cause severe irritation, burns, eye damage.				
Skin: Corrosive. Prolonged contact can cause moderate to severe irritation, possible burns.				
Inhalation: Excessive and prolonged breathing of mist or spray can cause respiratory tract irritation, coughing, chest pain, lung damage				
Ingestion: Can cause severe irritation, possible burns of mouth and throat.				
Chronic Effects: Repeated or prolonged exposures to higher concentrations of mist may cause eye and skin conditions.				

7. FIRST AID PROCEDURES:

Eye Contact: Immediately flush with running water for at least 20 minutes. Get medical attention.
Skin Contact: Remove contaminated clothing and immediately flush with running water for at least 20 minutes. Get medical attention if irritation persists. Launder contaminated clothing before reuse.
Ingestion: Do not induce vomiting. Have person drink several glasses of water or milk. Do not give fluids if person is unconscious or convulsing. Get immediate medical attention.

8.0 TOXICOLOGICAL DATA:

Carcinogenic, Mutagenic, Teratogenic, Reproductive Effects: Sulphuric acid is carcinogenic to man (Group I) causing cancer of larynx and to a lesser extent, the lung. Avoid breathing mists.

9. SPILL & DISPOSAL PROCEDURES

Spill & Leak: Absorb onto inert absorbent and scoop into disposal container. Flush residual with volumes of water.
Disposal: Dispose of in accordance with all Local, Provincial and Federal regulations.

10. PRECAUTIONARY MEASURES

Personal Protective Equipment:			
Gloves: Impermeable	Respiratory: None for normal use	Eyes: Safety goggles	Footwear: No special requirements
Clothing: No special requirements for normal use.	Other: Eye wash and safety shower.		Ventilation: None for normal use.
Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.			
Storage: Store in a cool, dry area. Keep container closed when not in use.			

11. TDG SHIPPING INFORMATION:

Shipping Name: Corrosive Liquid, N.O.S. (Sulphuric Acid)		
Class: 8	UN No. 1760	Packing Group: III

12. PREPARATION INFORMATION:

Date Prepared/Reviewed: December 7, 2012	Tel. # (905)-456-9444	Fax. # (905) 456-9447
The information above has been obtained from reliable sources and is believed to be accurate but does not claim to be all inclusive and should be only used as a guide.		

APPROVED MATERIAL

JAN 11 2013

MSDS # 10966

APPROVED BY