

MATERIAL SAFETY DATA SHEET

38778 ITEK MEGA CMS + FOUNTAIN CONCENTRATE

Revision Date:5/1/13

Section I - Product Identification

Manufacturer's Name | Emergency Phone Number (24 Hours)
 Mark Andy, Inc | CHEMTREC @ (800) 424-9300
 ----- | MSDS access online at:
 Street Address | https://shop.markandy.com/msds
 18081 Chesterfield Airport Road | -----
 ----- | Customer Service: (US) 800-225-4835
 City,State,Zip Code | (CAN) 800-387-3143
 Chesterfield, MO 63005 | -----
 General Phone: 636-532-4433 | Date Prepared: October 15, 1999
 ----- |
 Product Use: OFFSET PRINTING. | Prepared By: Arpie O. Korkin (GESAP Inc.)
 ----- |

Chemical Name, Trade Name, Synonyms: WATER BASE MIXTURE,
 ITEK MEGA CMS + FOUNTAIN CONCENTRATE 38778

HMIS RATING

1 - Health 0 - Flammability 0 - Reactivity B - Personal Protection

Section II - Ingredients

Components	CAS NO.	% WT.	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER
WATER	7732-18-5	25-60	NONE	NONE	
2 BUTOXYETHANOL	111-76-2	5-30	25 ppm (skin)	25 ppm (skin)	
POLYETHYLENE GLYCOL	25322-68-3	5-15	NONE	NONE	
AMMONIUM NITRATE	6484-52-2	1-3	N.D.	N.D.	

Section III - Physical Data

Boiling POINT(F): 214 F | pH: N.A.

 Vapor Pressure(mm Hg): <1 | Freezing Point(F): N.D.

 Vapor Density (AIR = 1): <1 | VOC: 2.52 LBS/GAL

 Specific Gravity (H2O=1): 1.00 | Color And Odor: CLEAR PINK/GLYCOL ETHER ODOR

 Odor Threshold: N.D. | Physical State: LIQUID

 Evaporation Rate (Butyl Acetate = 1): N.D.

 Solubility in Water: COMPLETE.

Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): >200 F | Flammable Limits:
 ----- | LFL: 1.00 | UFL: 10.00

Auto-ignition Temperature: N.D.

Extinguishing Media:USE WATER, CARBON DIOXIDE, AND DRY CHEMICAL.

Special Fire Fighting Procedures: FIREMEN SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS
 AND FULL PROTECTIVE CLOTHING. BURNING OF CONFINED AMMONIUM NITRATE COULD LEAD TO
 DETONATION.

Unusual Fire And Explosion Hazards:WATER SPRAY MAY BE USEFUL IN MINIMIZING VAPORS AND
 COOLING CONTAINERS EXPOSED TO HEAT AND FLAME. AVOID SPREADING BURNING LIQUID WITH WATER
 USED FOR COOLING PURPOSES.

Section V - Reactivity Data

Stability Unstable : | Conditions to Avoid:OPEN FLAME AND EXCESSIVE HEAT.
Stable : X

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Incompatibility (Materials to Avoid): INCOMPATIBLE MATERIALS, ORGANIC MATERIALS OR EXPLOSIVES.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, AMMONIA, NITROGEN OXIDE, NITROUS OXIDE, NITROGEN AND OTHER MATERIALS.

Hazardous | May Occur: | Conditions to Avoid: OPEN FLAME AND EXCESSIVE
Polymerization | Will Not Occur: X | HEAT.

Section VI - Health Hazard Data (Acute and Chronic)

Primary Route(s) of Entry: INHALATION, INGESTION.

Oral Ingestion: SINGLE DOSE ORAL TOXICITY IS LOW. SWALLOWING LARGE AMOUNTS MAY CAUSE GASTRIC IRRITATION, ABDOMINAL SPASMS, AND ACIDOSIS.

Eye Contact: EXPOSURE MAY CAUSE EYE IRRITATION, STINGING, TEARING, REDNESS AND SWELLING.

Skin Contact: EXPOSURE MAY CAUSE SKIN IRRITATION.

Inhalation: SHORT TERM INHALATION TOXICITY IS MODERATE. EXPOSURE MAY BE HARMFUL. SYMPTOMS ARE MORE TYPICALLY SEEN AT AIR CONCENTRATIONS EXCEEDING THE RECOMMENDED EXPOSURE LIMITS.

Effects of Overexposure: OVEREXPOSURE MAY CAUSE NOSE, THROAT, AND RESPIRATORY TRACT IRRITATION. INHALATION AND INGESTION MAY CAUSE BLOOD IN THE URINE, BLOOD ABNORMALITIES, KIDNEY DAMAGE, LIVER DAMAGE, AND CENTRAL NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY HEADACHE, NAUSEA, WEAKNESS, DROWSINESS, FATIGUE, AND UNCONSCIOUSNESS.

Medical Conditions Generally Aggravated by Exposure

Carcinogenicity:

Mutagenicity:

Teratogenicity:

Reproductive Toxicity:

FIRST AID PROCEDURES

Ingestion: GIVE 2 GLASSES OF WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION.

Eye: IMMEDIATELY FLUSH EYES WITH WATER. AFTER INITIAL FLUSHING, REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING FOR AT LEAST 5 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

Skin: WASH OFF IN FLOWING WATER OR SHOWER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS AND PERSISTS. REMOVE CONTAMINATED CLOTHING.

Inhalation: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION.

Section VII - Toxicology Information

Ingredient	Inhalation LC50	Oral LD50(RATS)	Dermal LD50(RABBITS)
2-BUTOXYETHANOL	450/4hr (rat)	1480 mg/kg	N.D.
AMMONIUM NITRATE	N.A.	5300 mg/kg	N.D.

Section VIII - Spill or Leak Procedure

Steps to be taken in case material is released or spilled:
LARGE SPILLS ELIMINATE POTENTIAL SOURCES OF IGNITION. WEAR APPROPRIATE RESPIRATOR AND OTHER PROTECTIVE CLOTHING. SHUT OFF SOURCE OF LEAK ONLY IF IT IS SAFE TO DO SO. DIKE AND CONTAIN. IF VAPOR CLOUD FORMS, WATER FOG MAY BE USED TO SUPPRESS. SOAK UP RESIDUE WITH AN ABSORBANT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL. PLACE IN NON-LEAKING CONTAINERS AND SEAL TIGHTLY FOR PROPER DISPOSAL. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE.

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Disposal Method: IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

Section IX - Special Protection Information

Ventilation Local Exhaust: RECOMMENDED. Special: N.A.
Mechanical(General): RECOMMENDED. Other: N.A.

Respiratory Protection: AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS USE A NIOSH APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134. USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AND AIR PURIFYING RESPIRATOR FOR ORGANIC VAPORS.

Protective Clothing: WEAR RUBBER GLOVES. IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED. IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND SKIN.

Eye Protection: USE SAFETY GLASSES OR GOGGLES AS APPROPRIATE.

Other Protective Equipment:

Section X - Special Precautions

Precautions to be taken in Handling and Storing:

Other Precautions: CONTACT LENS WEARERS SHOULD WEAR REGULAR GLASSES ALONG WITH SAFETY GOGGLES.

Section XI - Transportation Information

Hazard Class: N.A.
DOT Proper Shipping Name: NOT REGULATED.

Section XII - Regulatory Information

CERCLA/SUPERFUND,40 CFR 117,302: THIS PRODUCT DOES NOT CONTAIN ANY REPORTABLE QUANTITY (RQ) SUBSTANCE.

SARA(TITLE III) - Sections 302, 311, 312, and 313:

Section 302 Extremely Hazardous Substances (40 CFR 355):

Section 311 and 312 MSDS Submission and Inventory Reporting (40 CFR 370):

Section 313 Toxic Chemical Release Reporting (40 CFR 372): THE FOLLOWING INGREDIENTS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.65:

Components	CAS NO.	% WT.	Exposure Limits		
			OSHA PEL	ACGIH TLV	OTHER
2 BUTOXYETHANOL	111-76-2	5-30	25 ppm (skin)	25 ppm (skin)	
AMMONIUM NITRATE	6484-52-2	1-3	N.D.	N.D.	

TOXIC SUBSTANCES CONTROL ACT (TSCA):

California Proposition 65: "WARNING" THIS PRODUCT CONTAINS CHEMICALS (ETHYLENE OXIDE) KNWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND REPRODUCTIVE HARM.

Section XIII - Addition Information

NONE

N.D. = No Data N.A. = Not Applicable

The information herein given in good faith but no warranty, express or implied, is made.