



CHEMICAL & FERTILIZER CORPORATION

MATERIAL SAFETY DATA SHEET

IDENTITY

EXIT₆

Section I

Manufacturer's Name MILLER CHEMICAL & FERTILIZER CORP.	Emergency Telephone Number CHEMTREC: 1-800-424-9300 717-632-8921
Address P.O. BOX 333, 120 RADIO ROAD HANOVER, PA 17331 U.S.A.	Telephone Number for Information 717-632-8921 FAX: 717-632-4581
	Date Prepared 1/1/01

Section II - Hazardous Ingredients/Identity Information

NAME	CAS #	OSHA PEL	CGIH TL	OTHER LIMITS RECOMMENDED
THIS PRODUCT HAS BEEN TESTED AS A WHOLE TO DETERMINE IT'S HAZARDS	NA	ND	ND	245mg/m3

Recommended NFPA Rating: HEALTH: 0 FIRE: 1 REACTIVITY: 0

PA Right-to-Know: This product contains proprietary ingredients.

This product contains the following chemical(s) subject to the reporting requirements of Section 313 Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372 (the corresponding CAS number and typical percent by weights are also provided).

NAPHTHALENE - CAS# 91-20-3 Less than 0.4%

Section III - Physical/Chemical Characteristics

Boiling Point	224 c	Specific Gravity (H2O=1)	0.90-0.93 @ 20c
Vapor Pressure (mm Hg @ 25c)	22.8	Melting Point	NE
Vapor Density (AIR=1)	NA	Evaporation Rate (Butyl Acetate=1)	NA
Solubility in Water	EMULSIFIES		
Appearance and Odor	AMBER LIQUID, MODERATE ODOR		

Section IV - Fire and Explosion Hazard Data

Flash Point	Over 200 F(TCC)	Flammable Limits	NA	LEL	NA	UEL	NA
Extinguishing Media	FOAM, CARBON DIOXIDE, DRY CHEMICAL						
Special Fire Fighting Procedures	USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL. USE SUPPLIED AIR BREATHING APPARATUS EQUIPMENT. USE WATER SPRAY TO DISPERSE VAPORS.						
Unusual Fire and Explosion Hazards	EVACUATE PEOPLE DOWNWIND FROM FIRE. CONTROL RUNOFF WATER.						

Section V - Reactivity Data

Stability	Unstable	X	Conditions to Avoid	EXCESSIVE HEAT, SOURCES OF IGNITION.
	Stable			
Incompatibility(materials to avoid)	STRONG OXIDIZERS			
Hazardous Decomposition or Byproducts	OXIDES OF CARBON UNDER FIRE CONDITIONS			
Hazardous Polymerization	May Occur	X	Conditions to Avoid	NONE KNOWN
	Will Not Occur			

Section VI - Health Hazard Data						
Route(s) of Entry:	Inhalation?	YES	Skin?	YES	Ingestion?	YES
Health Hazards (Acute and Chronic)	ACUTE ORAL LD ₅₀ (rat): 5514mg/kg					
	ACUTE DERMAL LD ₅₀ (rabbit): >5000mg/kg, ACUTE INHALATION 4-hour LC ₅₀ (rat):>5.88 mg/L					
	THIS PRODUCT IS AN EYE IRRITANT (rabbit) - WASHING WITH WATER ELIMINATES IRRITATION - see below					
	THIS PRODUCT IS NOT A SKIN IRRITANT (rabbit)					
	CHRONIC: NO DATA AVAILABLE					
Carcinogenicity:	NTP?	NO	IARC Monographs?	NO	OSHA Regulated?	NO
Signs and Symptoms of Exposure	HIGH VAPOR CONCENTRATIONS MAY BE IRRITATING TO EYES AND RESPIRATORY TRACT, MAY CAUSE HEADACHES AND DIZZINESS.					
Medical Conditions Generally	EYE CONTACT MAY CAUSE EYE IRRITATION					
Aggravated by Exposure						
Emergency and First Aid Procedures	INGESTION: DO NOT INDUCE VOMITING, CALL A PHYSICIAN. EYES: IRRIGATE WITH WATER FOR AT LEAST 15 MINUTES, SEEK MEDICAL ATTENTION. SKIN: REMOVE ANY CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. INHALATION: REMOVE VICTIM TO FRESH AIR, CALL A PHYSICIAN					
Section VII - Precautions for Safe Handling and Use						
Steps to be Taken in Case Material is Released or Spilled	ELIMINATE ALL SOURCES OF IGNITION. DIKE OR IMPOUND TO KEEP PRODUCT OUT OF SEWERS AND WATERCOURSES. ABSORB SPILL WITH INERT MATERIAL. SHOVEL INTO WASTE CONTAINERS. WASH AREA WITH WATER. ABSORB WATER WITH INERT MATERIAL. CONTINUE THIS PROCEDURE UNTIL NO ODOR REMAINS.					
Waste Disposal Method	DISPOSE OF WASTE AND WASTE CONTAINERS IN ACCORDANCE WITH LOCAL/STATE/FEDERAL REGULATIONS.					
Precautions to be Taken in Handling and Storing	KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP FROM SOURCES OF IGNITION. DO NOT CONTAMINATE WATER, FOOD, FEED BY STORAGE OR DISPOSAL. FOLLOW GOOD INDUSTRIAL HYGIENE PRACTICES. STORE BETWEEN 40.5 F AND 120.5 F.					
Other Precautions	KEEP FROM CHILDREN AND ANIMALS. AFTER WORKING WITH THIS PRODUCT, THOROUGHLY CLEAN EQUIPMENT. WASH THOROUGHLY, CHANGE CLOTHING, AND CLEAN PROTECTIVE GEAR.					
Section VIII - Control Measures						
Respiratory Protection	A RESPIRATOR APPROVED BY NIOSH/MSHA SHOULD BE WORN WHERE VAPOR INHALATION COULD OCCUR.					
Ventilation	Local Exhaust	NA	Special	NA		
	Mechanical	PREFERRED	Other	NA		
Protective Gloves	CHEMICAL RESISTANT (e.g. rubber)			Eye protecti	CHEMICAL SPLASH GOGGLES	
Other Protective Clothing or Equipment	CHEMICAL RESISTANT APRON, CLEAN BODY-COVERING CLOTHING, BOOTS, HAT					
Work/Hygienic Practices	PREVENT EATING, DRINKING, TOBACCO USAGE AND COSMETIC APPLICATION TO PREVENT EXPOSURE.					
<p>THE SUBMISSION OF THIS MSDS MAY BE REQUIRED BY LAW BUT THIS IS NOT AN ASSERTION THAT THIS SUBSTANCE IS HAZARDOUS WHEN USED IN ACCORDANCE WITH PROPER SAFETY PRACTICES AND NORMAL HANDLING PROCEDURES.</p> <p><u>THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.</u></p>						