



**CHEMICAL & FERTILIZER CORPORATION**

**MATERIAL SAFETY DATA SHEET**

IDENTITY

**SUSTAIN<sup>o</sup>**

**Section I**

Manufacturer's Name

**MILLER CHEMICAL & FERTILIZER CORP.**

Emergency Telephone Number

**CHEMTREC: 1-800-424-9300 717-632-8921**

Address

**BOX 333, RADIO ROAD  
HANOVER, PA 17331**

Telephone Number for Information

**717-632-8921**

Date Prepared

**12/1/01**

**Section II - Hazardous Ingredients/Identity Information**

NAME	CAS #	OSHA PEL	ACGIH TLV	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: NE FIRE: NE REACTIVITY: NE  
THE NFPA RATING HAS NOT BEEN ESTABLISHED FOR THIS PRODUCT

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

This product contains the following chemical(s) subject to the reporting requirements of Section 313 of 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).

NONE

**Section III - Physical/Chemical Characteristics**

Percent Volatile	No data available	Specific Gravity (H20=1)	0.92-0.94 @ 20c
Vapor Pressure (mm Hg @ 25c)	No data available	Melting Point	No data available
Vapor Density (AIR=1)	No data available	Evaporation Rate (Butyl Acetate=1)	ND
Solubility in Water	EMULSIFIES	pH(5% solution)	6.5 - 7.5
Appearance and Odor	YELLOW TO AMBER LIQUID: MODERATE ODOR		

**Section IV - Fire and Explosion Hazard Data**

Flash Point	> 200 c	Flammable Limits	ND	LEL	ND	UEL	ND
Extinguishing Media	FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATERSPRAY OR SAND/EARTH						
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 FORM FIRE. CONTROL RUNOFF WATER.						

**Section V - Reactivity Data**

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

**NA - Not Available or Not Applicable**

**ND - Not Determined**

<b>Section VI - Health Hazard Data</b>				
Route(s) of Entry:	Inhalation?	YES	Skin?	YES
	Ingestion?			YES
Health Hazards (Acute and Chronic) ORAL TOXICITY: RATS >5050 mg/kg.				
DERMAL TOXICITY RATS >5050 mg/kg		INHALATION TOXICITY: LC50 >5.26 mg/L		
THIS PRODUCT IS CLASSIFIED AS A NON SKIN SENSITIZER (GUINEA PIG)				
THIS PRODUCT MAY CAUSE SLIGHT EYE IRRITATION				
THIS PRODUCT MAY CAUSE MILD EYE, SKIN AND THROAT IRRITATION				
CHRONIC: NO DATA AVAILABLE				
Carcinogenicity:	NTP?	NO	IARC Monographs?	NO
	OSHA Regulated?			NO
Signs and Symptoms of Exposure	NO DATA AVAILABLE			
Medical Conditions Generally	CONTACT MAY CAUSE IRRITATION			
Aggravated by Exposure				
Emergency and First Aid Procedures	<b>INGESTION:</b> DO NOT INDUCE VOMITING, CALL A PHYSICIAN.			
	<b>EYES:</b> IRRIGATE WITH WATER FOR AT LEAST 15 MINUTES, SEEK MEDICAL ATTENTION.			
	<b>SKIN:</b> REMOVE ANY CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER.			
	<b>INHALATION:</b> REMOVE VICTIM TO FRESH AIR, CALL A PHYSICIAN			
<b>Section VII - Precautions for Safe Handling and Use</b>				
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.			
<b>Section VIII - Control Measures</b>				
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 protection	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><b><i>THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.</i></b></p>				

**NA - Not Available or Not Applicable**

**ND - Not Determined**