

CHEMICAL & FERTILIZER CORPORATION

MATERIAL SAFETY DATA SHEET

DENTITY									
Emergency Telephone Number	NU-FILM-IR _®								
MILLER CHEMICAL & FERTILIZER CORP. Address P.O. BOX 333, 120 RADIO ROAD HANOVER, PA 17331 U.S.A. Section II - Hazardous Ingredients/Identity Information NAME CAS # OSHA PEL ACGIH TLV OTHER LIMITS RECOMMENDED THIS PRODUCT HAS BEEN TESTED AS 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) 0.93-0.95 @ 20 C Vapor Pressure (mm Hg @ 25c) No data available Melting Point NA Vapor Density (AIR=1) No data available Devaporation Rate (Butyl Acetate=1) ND Solubility in Water EMULSIFIABLE pH NA Appearance and Odor YELLOW/AMBER to RED LIQUID: MODERATE ODOR Section IV - Fire and Explosion Hazard Data Flash Point >100. CARC Filammenble Limits ND LEL ND UEL ND Edinguishing 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. Unsubal Fire and Explosion Hazards EVACUATE POPLE DOWNWIND FROM FIRE. CONTROL RUNOFF WATER. Section V - Reactivity Data EXCESSIVE HEAT, SOURCES OF IGNITION, STRONG OXIDIZERS.				5	Section I				
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STRONG OXIDIZENS			Х		OXIDIZERS	S			
	STRONG OXIDIZERS								
Hazardous Decomposition or Byproducts OXIDES OF CARBON UNDER FIRE CONDITIONS	Hazardous Decor								
Hazardous May Occur Conditions to Avoid NONE KNOWN		-		Conditions to Avoid	NONE KNO	DWN			
Polymerization Will Not Occur X	Polymerization	Will Not Occur	Х						

Section VI - Health Hazard Data								
Route(s) of Entry: Inhalation? YES Skin? YES Ingestion? YES								
Health Hazards (Acute and Chronic) ORAL TOXICITY: RATS >5000 mg/kg. Practically non-toxic.								
DERMAL TOXICITY RATS >2000 mg/kg INHALATION TOXICITY: LC50 >2460 mg/m ³								
ACUTE TOXICOLOGICAL PROPERTIES:NONE								
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 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	Ρ							
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 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.								
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.								
THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.								
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NA - Not Available or Not Applicable
ND - Not Determined