

MATERIAL SAFETY DATA SHEET

IDENTITY

SPRAY AIDE (R)

Section I

Manufacturer's Name	Emergency Telephone Number
MILLER CHEMICAL & FERTILIZER CORP.	CHEMTREC: 1-800-424-9300 717-632-8921
Address	Telephone Number for Information
P.O. BOX 333, 120 RADIO ROAD	717-632-8921 FAX: 717-632-4581
HANOVER, PA 17331 U.S.A	Date Prepared 01/01/2001

Section II - Hazardous Ingredients/Identity Information

NAME	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
NONE		ND	ND	245mg/m3

Recommended NFPA Rating: HEALTH: 2 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 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).
PHOSPHORIC ACID CAS# 7664-38-2 Less than 5.0%

Section III - Physical/Chemical Characteristics

Boiling Point	No data available	Specific Gravity (H2O=1)	1.11 @ 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	Soluble		
Appearance and Odor	Clear liquid, moderate odor		

Section IV - Fire and Explosion Hazard Data

Flash Point	Over 200 F(PMCC)	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 FROM FIRE. CONTROL RUNOFF WATER.

Section V - Reactivity Data

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

NA - Not Available or Not Applicable

ND - Not Determined

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation? YES Skin? YES Ingestion? YES
Health Hazards (Acute and Chronic) ORAL TOXICITY: Severe throat irritation
and respiratory discomfort may occur
THIS PRODUCT MAY CAUSE SEVERE EYE IRRITATION
THIS PRODUCT MAY CAUSE SEVERE SKIN IRRITATION
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 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 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.

NA - Not Available or Not Applicable

ND - Not Determined

Copyright CDMS, Inc. 1994-2001