

Material Safety Data Sheet

May be used to Comply with
OSHA's Hazard Communication Standard 29 CFR 1910.
Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form) Form Approved OMB No. 1218-0072

Identity (As Used On Label and List)

8288	Acid Cleaner 501	NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I—Manufacturer's Name (Address, Street, City, State, & Zip Code)	HAZARD RATING	
Venus Laboratories, Inc. Midwestern Division 855 Lively Blvd. Wood Dale, IL 60191	Emergency Telephone Number Chemtrec 1-800-424-9300	HEALTH 2 0 - Minimal 1 - Slight
	Telephone Number for Information (630) 595-1900	FLAMMABILITY 0 2 - Moderate
	Date Prepared	REACTIVITY 1 3 - Serious 4 - Extreme
	Revised: 3/20/01	Protective Equipment: Goggles, Gloves

Section II—Hazardous Ingredients / Identity Information	Other Limits			
Hazardous Components (Specify Chemical Identity, Common Names)	OSHA PEL	ACGIH TLV	Recommended	% (optional)
Phosphoric Acid CAS #7664-38-2	1Mg/M3	1Mg/M3	N/A	55%
subject to reporting requirement sec. 313 of SARA title III of 40 CFR 372.				

Section III—Physical Chemical Characteristics			
Boiling Point	225 ° F	Specific Gravity (WATER =1)	1.1
Vapor Pressure	N/D	Melting Point	N/A
Vapor Density	N/D	Evaporation Rate	N/D
Solubility in Water	Infinite		
Appearance and Odor	water white liquid, mild odor		

Section IV—Fire and Explosion Hazard Data			
Flash Point	Flammable Limits	LEL	UEL
None	N/A	N/A	N/A

Extinguishing Media
Water fog, dry chemical, carbon dioxide

Special Fire Fighting Procedures
Firemen should use self-contained breathing apparatus

Unusual Fire and Explosion Hazards
Contact with most metals produces hydrogen which may form flammable mixtures with air.

Section V—Reactivity Data

Stability	Unstable	Conditions to Avoid None		
	Stable X			
Incompatibility (Materials to Avoid)	Avoid contact with strong alkalies or alkali metals			
Hazardous Decomposition or Byproducts	Heating to decomposition yields toxic fumes of phosphorous compounds			
Hazardous Polymerization	May Occur		Conditions to Avoid	None
	Will Not Occur	X		

Section VI-Health Hazard Data

Route(s) of Entry:	Inhalation?	Yes	Skin?	Yes	Ingestion?	yes
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Health Hazards (Acute and Chronic)

Acute: Prolonged skin and eye contact can result in serious burns and irritation. Breathing-can cause damage to nasal passages.
Swallowing-results in severe burns
Chronic: none known

Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure	Irritated eyes, skin, nose and throat
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Medical Conditions Generally Aggravated	None known
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Emergency and First Aid Procedures	Eyes-flush with water , if irritation persists get medical attention Skin-flush with water, remove contaminated clothing. Inhalation-remove to fresh air. Ingestion-consult a physician.
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Section VII-Precautions For Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled	Collect and add slowly to large volume of soda ash solution. Caution! Heat may be generated.
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Waste Disposal	Any method for the disposal of chemical wastes subject to local , state and federal regulations
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Precautions to be Taken in Handling and Storage	Handle with care Keep from freezing
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Other Precautions	Keep away from children
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Section VIII—Control Measures

Respiratory Protection (Specify Type)	NIOSH/MSHA approved respirator if concentrations exceed approved limits.
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Ventilation	Local Exhaust	If general is inadequate	Special	None
	Mechanical (General)	Normal ventilation	Other	None

Protective Gloves	chemically resistant	Eye Protection	Goggles
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Other Protective Clothing or Equipment	Impervious clothing	Work / Hygienic Practices	Observe good personal hygiene. Wash hands before eating, avoid inhalation or ingestion.
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