

**MATERIAL SAFETY DATA SHEET
(MSDS)
PSI_Clear_Prep**

Revision: 1

Date Issued: September 2009

1. Identification of the Substance/Preparation and Company/Undertaking

Substance or preparation trade name (repeat at foot of each page): Microcleanse,
Water based System Flush and Cleaner
Trade Name: Microcleanse

Company/undertaking name, address and normal telephone number:

Distributed By: Practical Systems, Inc.
11617 Prospect Road
Odessa, FL 33556
Emergency telephone number: (800) 426-6046

Phone No.: (727) 376-7900
Fax No.: (727) 372-1900

2. Composition /Information on Ingredients

1-10% by weight Aluminum Nitrate CAS number 7784-27-2
50-90% Water CAS # 7732-18-5
0-5% by weight proprietary non-hazardous ingredients

3. Hazards Identification

HMIS
Health-----1
Flammability----- 0
Reactivity----- 0
Personal Protection----- X

Inhalation: Not likely to be inhaled.
Skin Contact: Minimal irritation may occur due to loss of natural oils in the skin upon prolonged contact. No acute effects reported.
Skin Absorption: Components are unlikely to be absorbed through the skin in harmful concentrations.
Eye Contact: May cause severe irritation
Ingestion: Amounts ingested incidental to industrial handling are not likely to cause injury, however, ingestion of larger amounts may cause injury.
Carcinogenicity: None
Systematic Effects: No chronic effects are known to result from exposure to components of this product.
Medical Conditions Aggravated: No medical conditions are known to be aggravated by exposure to this product.

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4. First Aid Measures

Inhalation: Remove to fresh air. If breathing is labored or stopped, give artificial respiration. Get immediate medical attention.

Skin contact: Normally no reaction. If irritation develops, wash with soap and water for at least 15 minutes. Consult a physician.

Eye contact: Flush eyes with plenty of water for at least 15 minutes. Consult a physician if irritation persists.

Ingestion: if swallowed, rinse out mouth and dilute with large amounts of water. Do not induce vomiting. Consult a physician immediately.

5. Suitable extinguishing media:

Use extinguishing agent applicable to surrounding fire.

Flash Point: None

Flammable Limits: None

Auto-Ignition Temperature: N/A

Hazardous Combustion products: None

Required special protective equipment for fire fighters: None. Base protective apparatus on surrounding fire.

6. Accidental Release Measures

Methods for cleaning: Small/Large Spill - Clean up using wet mechanical procedures, solution may be slippery and cause falls.

Where appropriate, refer to information under headings "Exposure Controls" and "Disposal Considerations."

7. Handling and Storage

Handling: No special precautions. Keep in cool place, avoid excessive temperatures for best performance.

8. Exposure Controls

<u>Material</u>	<u>OSHA PEL (mg/m³)</u>	<u>%</u>	<u>TLV (Units)</u>
AlNO ₃	2	1-10%	2
Major Impurities (Fe ₂ O ₃ , SiO ₂ , Na ₂ O)	Total equals	<1	N/A
Water		50-90%	
Proprietary additives	Total equals	<5%	

Respiratory protection: NIOSH approved dust respirator where exposure limit is or may be exceeded. See OSHA 29CFR1910.134

Skin protection Gloves recommended for long-term handling to help alleviate drying of the skin.

Eye protection: Safety glasses recommended. See OSHA 29CFR1910.133

9. Physical and Chemical Properties

Boiling Point (°F):	212°	Specific Gravity:	1.00-1.05
Vapor Pressure (mm Hg):	23	Volatility, % by Volume:	0-1%
Vapor Density (Air = 1):	N.A.	Evaporation rate (Water = 1)	1
Solubility in Water:	100% Dispersible		
Appearance and Odor:	Clear liquid		

pH: 2.2-3.0

10. Stability and Reactivity

Conditions to avoid: None known

Incompatibility: None

Hazardous decomposition products: None

Hazardous Polymerization: None

11. Toxicological Information

Skin Contact: mild irritant effect

Eye Contact: Eye irritant.

No LD₅₀ or LC₅₀ found for oral, dermal, or inhalation routes of administration.

When used and handled to specification, the product does not have any harmful effects according to our experience and the information provided to us.

The material is not subject to classification according to EC lists in the last version and the information we have.

12. Ecological Information

Ecotoxicological/chemical fate information: Non Hazardous.

Note: for preparations, indicate data relevant to constituent substances classified as dangerous for the environment.

13. Disposal Considerations

Collect in containers, bags, or covered dumpster boxes. If reuse or recycling is not possible, material may be disposed of at a sanitary landfill after consulting with the

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operator and the pertinent authorities and following procedures of the necessary technical regulations.

Waste Disposal Key Number: 513 95.

RCRA Status: not regulated

14. Transport Information

Special carriage precautions in carriage (on-site or externally): NA

U.S.A. DOT: Not regulated. Enter the proper freight classification on the shipping paperwork. "MSDS Number" and product name for shipping purposes.

Canadian TDG Hazard Class of PIN: not regulated.

Not dangerous according to the above specifications.

15. Regulatory Information

Supply label information: (see appropriate part of labelling decision record)

TSCA status components of this product are listed in the TSCA inventory CERCLA Reportable

Quantity: None

SARA Title III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: none

Section 313 Toxic Chemicals: None

International Regulations Canadian Domestic Substances List: components of this product are listed on the Canadian DSL.

European Community: The material is not subject to classification according to EC lists and other sources of literature known to us. Water Hazard Class: 0 (internal assessment) generally not hazardous in water.

Note: Actual label may not be as above if product was supplied some time previously or labelling is in transaction period.

Applicable EU provisions and associated UK legislation:

Note: This data sheet does not constitute a user's assessment of workplace risk as required by HSW Act, COSHH, Management of Health and Safety At Work Regulations, or other health and safety legislation.

Please use normal industrial precautions for a safe and healthy workplace. All information used herein was valid at the time of use and to the best of our knowledge.

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16. Other Information

Further information sources: References - American Industrial Hygiene Association (AIHA) Hygienic Guide Series, June 1978 Edition. U.S. Dept. of Health and Human Services, NIOSH: Registry of Toxic Effects of Chemical Substances, 1985-86 Edition. Sax, N. Irving: Dangerous Properties of Industrial Materials, Van Nostrand Reinhold Co., Inc., 1984. American Conference of Governmental Industrial Hygienists, Inc. (ACGIH), Documentation of the Threshold Limit Values and biological Exposures Indices, Sixth Edition, 1992.

The data contained in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.