



Material Safety Data Sheet



MiraClean Professional[®] APC

(Formulation No. 2517)

Section I - General

Manufacturer Name: The Mirachem Corporation
P.O. Box 14059
Phoenix, Arizona 85063-4059
Date Prepared: 11/03/05
Revision Date: 11/27/07

Emergency Phone: 1-(800) 662-0333

Section II - Hazardous Ingredients/Identity Information

<u>Hazardous Component (CAS #)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>	<u>% (Optional)</u>
None				

Section III - Hazards Identification

Emergency Overview: Clear, non-flammable, water based cleaner with a light citrus odor.

Potential Health Effects:

Eye Contact: May cause mild temporary irritation.

Skin Contact: Prolonged or repeated exposure may cause mild irritation.

Inhalation: No adverse effects expected.

Ingestion: No adverse health effects are anticipated to occur as a result of acute ingestion. Chronic effects are not known.

Carcinogenicity: None of the components in this material are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

Signs/Symptoms of Overexposure: Prolonged contact may cause mild irritation or dryness to sensitive skin.

Medical Conditions Generally Aggravated by Exposure: None known.

Section IV - Emergency and First Aid Procedures

Eyes: Immediately flush with clean water. Consult physician if necessary.

Skin: No adverse effects anticipated.

Ingestion: If swallowed, treat symptomatically and supportively. *Contact Physician.*

Inhalation: No adverse effects anticipated.

Section V - Fire and Explosion Hazard

Flash Point (Method Used): > 212 °F (PMCC ASTM D93) Explosive Limits: N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: None

Unusual Fire Fighting and Explosion Hazards: None

Section VI - Accidental Release

Small Spills: Flush with water into containing area or to sewer where applicable within Federal, State or Local disposal requirements.
Large Spills: Dike and pump into suitable containers, clean up residual with absorbent material and wash with water. Dispose of in accordance with Federal, State or Local disposal requirements.

Section VII - Handling & Storage

Handling & Storage Precautions: Protect from freezing.
Other Precautions: Keep container tightly closed. Keep out of reach of children.

Section VIII - Exposure Controls, Personal Protection

Respiratory Protection: No respiratory protection is necessary.
Ventilation: Good general ventilation is sufficient.
Protective Clothing: When prolonged skin contact is expected, wear protective gloves.
Eye Protection: Wear safety glasses if splashing likely.
Work/Hygienic Practices: Use good personal hygiene practices, wash hands before eating, drinking, smoking, or using toilet facilities.

Section IX - Physical/Chemical Characteristics

Boiling Point:	212°F	Specific Gravity (H ₂ O = 1):	1.00
Vapor Pressure (mm Hg.): @ 20°C	Composite 0.005	pH:	9.0-10.0
Vapor Density (AIR =1):	N.E.	Evaporation Rate (Butyl Acetate = 1):	>1
Solubility in Water:	Complete	Melting Point:	N/A
Appearance and Odor:	Clear liquid with mild citrus odor	VOC Content:	25 g/L (0.21 lbs/gal)

N/A = Not Applicable

N.E. = Not Established

Section X - Reactivity

Stability:	Unstable Stable	X	Conditions to avoid: Oxidizing and reducing agents
Incompatibility (Materials to Avoid):			Strong acids and alkalis demulsify product.
Hazardous Decomposition or By-products:			Thermal decomposition may produce CO ₂
Hazardous Polymerization:	May Occur Will Not Occur	X	

Section XI - Toxicological Information

This product mixture has not been tested on animals or on humans. The acute and chronic health effects are based on the main hazards of the product's components and non-animal *In vitro* toxicity testing of this product and similar products.

Section XII - Ecological Information

No data available.

Section XIII - Disposal Considerations

Waste Disposal: Flush uncontaminated material to sewer where applicable within Federal, State or Local disposal requirements.
(Unused Material)

Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, State and local waste disposal requirements may be more restrictive or otherwise different from Federal laws and regulations.

Section XIV - Transportation Information

D.O.T Shipping Name:	Not Regulated	D.O.T Hazard Class:	None
UN Shipping Name:	N/A	UN/NA Number:	N/A
UN Class or Division	N/A	UN Packing Group:	None
NMFC Freight Class	Compound, Cleaning Fluid, NOI 48580 Sub 3		

Section XV - US Regulatory Information

Notice: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warrantee, express or implied is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state, and local laws. The following specific information is made for the purpose of complying with numerous federal, state, and local laws and regulations.

Federal Regulations:

Workplace Classification	This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200)
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SARA Title III

Section 311/312	This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.
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Section 313	This product does not contain a chemical, which is listed in Section 313 at or <u>above de minimis</u> concentrations.
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CERCLA Information (40CFR 302.4)	Releases of this product to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.
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Waste Classification	When a decision is made to discard unused portions of this product, it does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity, and none of the materials used in this product are listed in 40 CFR 261.33. The toxicity characteristic (TC), however, has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).
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Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, State and local waste disposal requirements may be more restrictive or otherwise different from Federal laws and regulations.

TSCA	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act.
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NFPA Ratings	Health = 1	Flammability = 0	Reactivity = 0	Special = 0
NPCA-HMIS Ratings	Health = 1	Flammability = 0	Reactivity = 0	

State Regulations:

Arizona

Maricopa County Under the definitions of Rule 331, this product is considered a Low-VOC Cleaner.

California

California Safe Drinking Water and Toxic Enforcement - Prop. 65 This product does not contain any materials currently listed by California as chemicals known to cause cancer or known to have reproductive toxicity under Proposition 65.

Section XVI - International Regulatory Information

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Australia This product is not classified as hazardous according to criteria of Worksafe Australia. Now Products has reviewed Australia's List of Hazardous Substances and Australia's Standard of the Uniform Scheduling of Drugs and Poisons and determined that no ingredient in this product is listed in either listing. We have also verified with NICNAS at the Australian National Occupational Health & Safety Commission (NOHSC) that all of the components in this formulation are listed in the Australian Inventory of Chemical Substances (AICS) and that no notification will be necessary under the Industrial Chemicals (Notification and Assessment) Act 1989.

Canada Non-controlled under WHMIS.