

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT & COMPANY INFORMATION			
Material Identification: MicroKleen PLC-1 Industrial Cleaner & Degreaser			
Adsil, Inc. 1901 Mason Avenue, Suite #101 Daytona Beach, FL 32117	386-274-1382 PHONE 386-274-1798 FAX CHEMTREC: 1-800-424-9300		
SECTION 2: OSHA HAZARDOUS INGREDIENTS			
<u>C.A.S. Number</u>	<u>Wt%</u>	<u>Ingredients</u>	<u>Exposure Limits</u>
111-76-2	9.0-10.0%	2-butoxyethanol	20 ppm TWA (ACGIH) 25 ppm TWA OSHA PEL
141-43-5	<2.0%	monoethanolamine	3 ppm TWA (ACGIH) 3 ppm TWA OSHA PEL
6834-92-0	<0.5%	Sodium Metasilicate	5 mg/m ³ TWA (OSHA)
SECTION 3: HAZARDS IDENTIFICATION			
NFPA/HMIS Rating: Health 1, Flammability 0, Reactivity 0			
Primary Routes of Entry: Skin Contact, Eye Contact, Inhalation, Ingestion			
Effects of Overexposure:			
Skin:	May cause skin irritation.		
Eyes:	Causes eye irritation.		
Inhalation:	May cause respiratory tract irritation.		
Ingestion:	Causes gastrointestinal irritation.		
Sensitizers:	When heated to temperatures above 150 ⁰ C in the presence of air, product can form formaldehyde vapors; a known skin and respiratory sensitizer and an irritant to the eyes, nose, throat, skin and digestive system.		
SECTION 4: FIRST AID MEASURES			
Skin Contact:	Wash skin with soap and water. Flush with water. Seek medical attention if irritation persists.		
Eye Contact:	Immediately flush eyes with water for 15 minutes. Seek prompt medical attention.		
Inhalation:	Remove to fresh air. Seek medical attention if ill effects persist.		
Ingestion:	If conscious, give 1 glass of water to dilute. DO NOT induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Seek medical attention or contact poison control center.		
Comments:	Individuals with chronic respiratory or skin diseases may be at increased risk from exposure.		
SECTION 5: FIRE FIGHTING MEASURES			
Flash Point:	None.		
Fire Hazards:	None known.		
Unusual Fire Hazards:	None known.		
Extinguishing Media:	Use media suitable for surrounding area.		
Fire Fighting Procedures:	Cool exposed and intact containers with water spray.		

SECTION 6: ACCIDENTAL RELEASE MEASURES
Containment/Clean-up: Disposal of collected product, residues and cleanup materials may be governmentally regulated. Observe all Local, State and Federal Waste Management Regulations. Mop, wipe or soak up with absorbent material and contain for salvage or disposal. For large spills, provide diking or other appropriate containment to keep material from spreading.
SECTION 7: HANDLING & STORAGE
Handling: No special requirements.
Storage: Store in a cool, dry area and away from strong acids.
SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION
Skin Protection: Wear latex or nitrile gloves.
Eye Protection: Wear safety goggles at a minimum.
Respiratory Protection: Wear mist/vapor/dust respiratory protection unless adequate local exhaust ventilation is provided or air sampling data shows exposures are within exposure guidelines.
Protective Equipment: Safety eye-wash station should be within direct access.
Personal Hygiene: Avoid getting into eyes or prolonged contact with skin and clothing. Wash thoroughly after handling. Wash contaminated clothing before re-use.
SECTION 9: PHYSICAL & CHEMICAL PROPERTIES
pH: 12.5 +/- 0.5 (concentrate formula before water dilution).
Solubility in water: Complete.
Appearance: Pale Yellow Liquid
Odor: Moderate Soap Odor
Specific Gravity @ 25° C: 0.998
Boiling Point: 212° F / 100° C
Freeze Point: 32° F / 0° C
SECTION 10: STABILITY & REACTIVITY
Stability: Stable.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition: Carbon Monoxide, Carbon Dioxide.
Conditions to Avoid: None known.
Materials to Avoid: Strong Acids or Oxidizers.
SECTION 11: TOXICOLOGICAL INFORMATION
None of the components of this product are listed as a suspected carcinogen by IARC, NTP or OSHA.
None of the components of this product are known to cause sensitization in animals or humans at temperatures less than 150° C.
SECTION 12: ECOLOGICAL INFORMATION
No information is available.
SECTION 13: DISPOSAL CONSIDERATIONS
Dispose of waste in accordance with all Local, State and Federal Regulations.

SECTION 14: TRANSPORT INFORMATION**DOT Information** (49 CFR 172.101)**Proper Shipping Name:** CORROSIVE LIQUID, n.o.s.**Hazard Technical Name:** CONTAINS SODIUM METASILICATE**Hazard Class:** 8**UN Number:** UN1760**Packing Group:** III**SECTION 15: REGULATORY INFORMATION****EPA SARA Title III Chemical Listings:****Section 302 CERCLA Extremely Hazardous Substances:** None.**Section 304 CERCLA Hazardous Substances:** None.**Section 312 Hazard Class:**

Acute: No

Chronic: yes

Fire: No

Pressure: No

Reactive: No

Section 313 Toxic Chemicals:

<u>C.A.S. Number</u>	<u>Wt%</u>	<u>Ingredient Name</u>
111-76-2	9.0-10.0%	2-butoxyethanol

Other U.S. State Regulations:**California Proposition 65:** This product does not contain any chemicals listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 as being known to cause cancer, birth defects or other reproductive harm.**Massachusetts:** This material contains no other listed components; 2-butoxyethanol, 111-76-2.**New Jersey Right-to-Know:** This material contains no other listed components; 2-butoxyethanol, 111-76-2.**Pennsylvania Right-to-Know:** This material contains no other listed components; 2-butoxyethanol, 111-76-2.**Canadian Regulations:**

The product components have been classified by the raw material suppliers in accordance with the Hazard Criteria of the CPR and the MSDS contains all the information required by CPR.

Canadian WHMIS: None.**Canadian DSL Status:** This material or its components are listed on the Canadian Domestic Substances List.**Canadian Ingredient Disclosure List:** This material contains no other listed components.**Revision Date:** January 2010**Prepared by:** MSDS Coordinator
Daytona Beach, Florida 32117
386-274-1382