MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT & COMPANY INFORMATION

Material Identification: MicroKleen PLC-40 Siloxane Stripper

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

C.A.S. Number	Wt%	Ingredients	Exposure Limits
1310-58-3	15-20	Potassium Hydroxide	2 mg/m^3 Ceiling (ACGIH) 2 mg/m^3 TWA (OSHA)
6834-92-0	1-5	Sodium Metasilicate	5 mg/m^3 TWA (OSHA)
111-76-2	1-5	2-Butoxyethanol	20 ppm TWA (ACGIH)
Not Established	1-5	n-lauryl b-iminodipropionic Acid	None Established

SECTION 3: HAZARDS IDENTIFICATION

DANGER! CORROSIVE! This product is a clear, viscous liquid with a mild odor.

NFPA/HMIS Rating: Health 3, Flammability 0, Reactivity 0

Primary Routes of Entry: Skin Contact, Eye Contact, Inhalation, Ingestion

Effects of Overexposure:

Skin: May cause chemical burns with reddening and pain. Prolonged or repeated skin contact with diluted solutions or mists may cause dermatitis. 2-butoxyethanol may be absorbed through the skin causing headache, dizziness, general weakness and possible kidney and liver injury.

Eyes: May cause severe burns with possible permanent damage and blindness.

Inhalation: Mist or vapors may cause irritation to mucous membrane and upper respiratory tract. Higher concentrations may cause severe irritation and pulmonary edema.

Ingestion: May cause gastrointestinal corrosion, vomiting, diarrhea, shock and death.

SECTION 4: FIRST AID MEASURES

Skin Contact: Immediately flush skin thoroughly with water for 15 minutes. Wash area with soap and water. Remove contaminated clothing and launder before reuse. Seek medical attention if rash, burning, headache or dizziness occurs.

Eye Contact: Immediately flush eyes with water for at least 30 minutes, while lifting the upper and lower lids. Seek immediate medical attention.

Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, have qualified personnel administer oxygen. 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.

Unusual Fire Hazards: At elevated temperatures containers may rupture. Contact with metals may release flammable hydrogen gas. Contents are corrosive and personal contact should be avoided.

Extinguishing Media: This material is not combustible. Use any media that is suitable for surrounding fire.

Fire Fighting Procedures: Firefighters should wear full turn-out gear and NIOSH approved positive pressure, self-contained breathing apparatus. Cool exposed and intact containers with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment/Clean-up: Wear appropriate protective clothing to prevent eye and skin contact. Collect into closable containers for disposal. Flush spill area with water. Prevent runoff to storm sewers and waterways. Report spill as required by Local, State or Federal Regulations.

SECTION 7: HANDLING & STORAGE

Handling: Prevent eye and skin contact. Immediately remove and launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities.

Storage: Store in cool, well ventilated area away from acids and other incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection: Wear rubber, nitrile or other impervious gloves when handling.

Eye Protection: Wear chemical safety goggles or full face shield when handling. Do not wear contact lenses.

Respiratory Protection: For spray application or areas where TLV is exceeded, use a NIOSH approved organic vapor/dust/mist respirator with full face shield. For higher concentrations (greater than 10 times the TLV) an approved supplied air respirator or self-contained breathing apparatus may be required. Select apparatus in accordance with OSHA 1910.134 and good industrial hygiene practice.

Protective Equipment: Wear impervious apron, rubber boots and gloves to prevent contact or if splashing is possible.

Personal Hygiene: Wash hands at meal time or at end of shift. Launder clothing before re-use.

Engineering Controls: For operations where contact can occur, have eye wash station available on site.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

pH: 14

Solubility in water: Complete

Appearance: Clear Liquid

Odor: Mild Odor

Specific Gravity: 1.20

Boiling Point: 212^0 F / 100^0 C

VOC Content: N/A

SECTION 10: STABILITY & REACTIVITY

Stability: This material is stable.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: Carbon monoxide, carbon dioxide, sodium oxides, ammonia, polyacrylates and acrylic acid. Contact with metals, such as aluminum, tin, lead and zinc may product hydrogen gas.

Conditions to Avoid: Not applicable.

Materials to Avoid: Strong oxidizers, alkalis, acids, organic halogens, ammonia, organic amines, reducing sugars and nitromethane.

SECTION 11: TOXICOLOGICAL INFORMATION

None of the components of this product are listed as a suspected carcinogen by IARC, NTP or OSHA.

2-butoxyethanol is mutagenic in some test systems.

None of the components of this product are known to cause sensitization in animals or humans.

2-butoxyethanol and sodium metasilicate have been found to cause adverse reproductive effects and birth defects in laboratory animals.

SECTION 12: ECOLOGICAL INFORMATION

Potassium Hydroxide – 96 hours LC50 fish: 10 to 200 mg/liter. 2-butoxyethanol – 96 hours LC50 fish: 1,490 mg/liter.

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, BASIC, INORGANIC, n.o.s.

Hazard Technical Name: POTASSIUM HYDROXIDE, SODIUM METASILICATE SOLUTION

Hazard Class: 8

UN Number: UN 3266

Packing Group: II

SECTION 15: REGULATORY INFORMATION

EPA SARA Title III Chemical Listings:

Section 302 CERCLA Extremely Hazardous Substances: None

Section 304 CERCLA Hazardous Substances: None
Reportable Quantity: Spills of this material (5% potassium hydroxide at 1,000 lbs. is 10,000 lbs.) must be reported to the National Response Center.

Section 312 Hazard Class: Acute health, chronic health.

Section 313 Toxic Chemicals:

C.A.S. Number	Wt%	Ingredient Name
11-76-2	1-5	2-butoxyethanol

Other U.S. Regulations: All of the components of this product are listed on the TSCA Inventory.

California Proposition 65: This product contains the following chemicals, which are known by the State of California to cause cancer or reproductive toxicity. None.

WHMIS Classification: Class D Division 2, Subdivision B; Class E – Corrosive

Canadian CEPA: All components of this product are listed on the Canadian DSL. This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

Revision Date: March 2013 **Prepared by:** MSDS Coordinator (386-274-1382)
Daytona Beach, Florida 32117