



Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. 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) **Alky-14**

Section I

Manufactured for:	Emergency Telephone Number
Apeiron by Betco Corporation	Chemtrec (800)424-9300
Address:	Telephone Number for Information
Betco Corporation	419-241-2156
1001 Brown Avenue	Date Prepared
Toledo, OH 43607	8/20/08

Section II—Information on Ingredients

Components & Information on Ingredients	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Dispersion of Fluorochemicals in Water	N/A	0-5	Not available.	Not available.
2-Butoxyethanol	111-76-2	15-20	TWA: 20 (ppm) from ACGIH (TLV) [United States] TWA: 50 (ppm) from OSHA (PEL) [United States]	ORAL (LD50): Acute: 1746 mg/kg [Rat].
Benzyl Alcohol	100-51-6	50-55	TWA: 3 STEL: 6 (ppm)	Not available.
Monoethanolamine	141-43-5	20-25	TWA: 3 (ppm)	Not available.
Nonionic Surfactant	9016-45-9	1-5	TWA: 6 (PPM) from OSHA (PEL) [United States]	Not available.
Tall Oil	61790-12-3	0-5	STEL: 6 (ppm)	Not available.
			Not available.	Not available.

Section III—Physical/Chemical Characteristics

Boiling Point	Not available.	Specific Gravity (H ₂ O = 1)	1.01 (Water -1)
Vapor Pressure (mm Hg)	Not available.	Melting Point	Not available.
Vapor Density (AIR = 1)	>1 (Air = 1)	Evaporation Rate (Butyl Acetate = 1)	Not available.

Solubility in Water

Not available.

Appearance and Odor

Liquid. Aromatic. Clear.

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used):	Flammable Limits:	LEL	UEL
CLOSED CUP: 93.333°C (200°F). (TCC).	Not available.	Not available.	Not available.

Extinguishing Media

SMALL FIRE: Use DRY chemicals, CO₂, water spray or foam.

LARGE FIRE: Use water spray, fog or foam, DO NOT use water jet.

Special Fire Fighting Procedures

No additional remark.

Unusual Fire and Explosion Hazards

No additional remark.

(Reproduce locally)

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Section V—Reactivity Data

Stability This product is stable.	Conditions to Avoid Not available.
Incompatibility (<i>Materials to Avoid</i>) acids alkalis	Hazardous Decomposition or Byproducts Not available.
Hazardous Polymerization Not available.	Conditions to Avoid Not available.

Section VI—Health Hazard Data

Route(s) of Entry Absorbed through skin. Eye contact. Inhalation. Ingestion.			
Health Hazards (<i>Acute and Chronic</i>) Eyes: Eye contact can result in corneal damage or blindness. Skin: Corrosive to skin and eyes on contact. Skin contact may product burns. Inhalation: Harmful if inhaled. Inhalation of the spray mist may product severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath. Ingestion: Very hazardous in case of ingestion.			
Carcinogenicity	NTP Not classified or listed by NTP	IARC Monographs Not classified or listed by IARC	OSHA Regulated Not classified or listed by OSHA

Potential Acute Health Effects

Extremely hazardous in case of eye contact (irritant). Very hazardous in case of skin contact (corrosive, irritant), of ingestion, of inhalation. Eye contact can result in corneal damage or blindness.

Medical Conditions Generally Aggravated by Exposure

Prolonged exposure may result in skin burns and ulceration. Over-exposure by inhalation may cause respiratory irritation. Repeated or prolonged exposure to the substance can product blood disorders. Repeated or prolonged exposure to the substance can produce kidney damage. Repeated or prolonged exposure to the substance can produce liver damage. Repeated or prolonged exposure to the substance can product nervous system damage.

Emergency and First Aid Procedures

Eye Contact: Hold eye open and rinse slowly and thoroughly with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. **Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately. **Inhalation:** Evacuate the victim to a safe area as soon as possible. Seek medical attention. **Ingestion:** Have conscious person drink several glasses of water or milk. Do no induce vomiting. Seek immediate medical attention.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Small Spill & Leak: Absorb with an inert material and put the spilled material in an appropriate waste disposal. If necessary: **Neutralize the residue with a dilute solution of acetic aci.** **Large Spill & Leak:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Waste Disposal Method

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Precautions to Be Taken in Handling and Storing

Precautions: Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. **Storage:** Corrosive materials should be stored in a separate safety cabinet or room. Keep out of the reach of children. Not for use or storage in or around the home.

Other Precautions

Incompatible with acids alkalis.

Section VII—Control Measures

Respiratory Protection (*Specify Type*)

Wear appropriate respirator when ventilation is adequate.

Ventilation

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

Protective Gloves

Wear impervious gloves.

Eye Protection

Wear splash goggles

Other Protective Clothing or Equipment

Wear overalls or long sleeved shirt and long trousers, nitrile rubber or neoprene gloves, rubber boots.