

ACTI-KLEAN

Material Safety Data Sheet

SECTION I - PRODUCT IDENTIFIER

PRODUCT: ACTI-KLEAN AK-1, AK-5, AK-55

SUPPLIER: Virginia KMP
4100 Platinum Way
Dallas, Texas 75237

Phone: 800-527-7960
Emergency Phone: 800-527-7960
Prepared: 6/91

NFPA Ratings:

Health: 1

Fire: 0

React: 0

Special: --

0=LEAST to 4=EXTREME

HMIS PERSONAL PROT: C

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS-(CAS Number) EXPOSURE LIMITS

Ethylene glycol monobutyl ether (111-76-2)-----OSHA TWA (SKIN) 25 ppm, ACGIH (SKIN) 25 ppm

Dodecylbenzene sulfonic acid (27176-87-0)-----NO DATA ESTABLISHED

SECTION III- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212° F

MELTING POINT: NA

SPECIFIC GRAVITY (H2O=1): 1.02

VAPOR PRESSURE: ND

VAPOR DENSITY (Air=1): ND

EVAPORATION RATE (BuAc=1): <1

SOLUBILITY IN WATER: Complete

pH: 11 - 12

APPEARANCE AND ODOR: Green liquid.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method): None at boiling point.

FLAMMABLE LIMITS: Lower[NA] Upper[NA]

EXTINGUISHING MEDIA: Dry powder, carbon dioxide (CO2), water fog or spray. Use extinguishing media appropriate for surrounding conditions.

SPECIAL FIRE FIGHTING PROCEDURES: Approach fire from upwind side. Avoid breathing smoke, fumes, mist, or vapors on the downwind side. Firefighters wear protective clothing, and self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters wear protective clothing, and self contained breathing apparatus.

SECTION V - REACTIVITY INFORMATION

STABILITY: PRODUCT IS, Stable

INCOMPATIBILITY --

MATERIALS TO AVOID: Oxidizing Materials

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: From combustion: smoke, carbon monoxide, carbon dioxide, oxides of phosphorus, oxides of sulfur.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY

INHALATION? possible - irritant

SKIN/EYES? yes - irritant

SKIN ABSORPTION? possible if skin is broken

INGESTION? possible - irritant

HEALTH HAZARDS

ACUTE: Inhalation of vapor or mist is irritating to respiratory tract. Liquid or vapors are irritating to skin or eyes. Ingestion will cause gastrointestinal distress.

CHRONIC: Damage to kidneys and liver (Ethylene Glycol Monobutyl Ether).

CARCINOGENICITY: LISTED IN NTP? No

IARC MONOGRAPHS? No

OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE: Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No data established.

FIRST AID PROCEDURES

EYE CONTACT: Flush eyes with water 15 minutes. Get medical attention if symptoms develop and persist.
 SKIN CONTACT: Flush with water or soap and water for 15 minutes or until all traces have been removed. Seek medical attention if symptoms develop and persist.
 INGESTION: Do NOT induce vomiting, get immediate medical attention.
 INHALATION: Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact a physician immediately.

SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: For small spills - pick up with absorbent media. Store as industrial waste.

WASTE DISPOSAL METHOD: Approved industrial waste facility. Follow all applicable regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store away from foodstuffs. Store away from basic materials.

OTHER PRECAUTIONS: Clean up leaks/spills immediately to prevent soil or water contamination.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: (If concentration reaches or exceeds TLV), wear NIOSH approved respirator.

VENTILATION: LOCAL EXHAUST -Recommended, SPECIAL -Not necessary,
 MECHANICAL-Recommended, OTHER - Not necessary

PROTECTIVE GLOVES: heavy rubber type

EYE PROTECTION: Full face shield.

OTHER PROTECTIVE EQUIPMENT: Boots, aprons, drench showers, eye wash as needed for protection against spills and/or splashes.

WORK HYGIENIC PRACTICES: Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in section VI. Launder contaminated clothing before reuse.

SECTION IX - TRANSPORTATION INFORMATION

ACTI-KLEAN, Not-Regulated

SECTION X - REGULATORY

EPA HAZARDS: ACUTE-yes, CHRONIC-yes, FLAMMABILITY-no,
 SUDDEN RELEASE OF PRESSURE-no, REACTIVE-no

SARA Title III

Section 313, Toxic Materials:

Chemical Name	CAS #	Percentage
Ethylene Glycol		
Monobutyl Ether	111-76-2	1 - 5%

CLEAN AIR ACT: not listed

CLEAN WATER ACT: section 311

STATES LISTS: Massachusetts, New Jersey, Pennsylvania

TOXIC SUBSTANCES CONTROL ACT (TSCA), 40 CFR 710 Sources of the raw materials used in this mixture assure that all chemical ingredients present are in compliance with Sect. 8(b) Chemical Substance Inventory, or are otherwise in compliance with TSCA.

Footnotes:

NA-Not applicable ND-Data not available CS-Cancer Suspect Agent OX-Oxidizer
 Cor-Corrosive CALC-Calculated EST-Estimated STEL-Short Time Exposure Limit
 TLV-Threshold Limit Value PEL-Permissible Exposure Limit TWA-Time Weighted Average, 8 hours
 HMIS, PPI-Hazardous Material Identification System, Personal Protection Index
 The data presented is true and correct to the best of our knowledge and belief, however, neither seller nor preparer makes any warranties, express or implied, concerning the information presented. The user is cautioned to perform his own hazard evaluation and to rely upon his own determinations.

SCIENTIFIC INFORMATION SERVICES
 CHEMICAL ASSESSMENT, RESPONSE AND EVALUATION CORPORATION
 Telephone (817) 560-4631
 Form essentially the same as OSHA Form 174 dated September 1985
 Preparation Date: July 11, 1991