**SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION**

**Supplier’s Name:** McKinley Resources  
**Telephone No.:** 972-620-9730

**McKinley Resources**  
PO Box 810472  
Dallas, TX 85381  
972-620-9730

**PRODUCT NAME:** Cetyl acetate and acetylated lanolin alcohol  
**CHEMICAL FAMILY:** HIGH MOLECULAR WEIGHT ESTER  
**CHEMICAL NAME:** Cetyl acetate and acetylated lanolin alcohol  
**CTFA ADOPTED NAME:**  
**CAS#:** 629-70-9 (and)  
**Acetylated Lanolin Alcohol**  
**CAS#:** 61788-49-6

**SECTION II - PHYSICAL DATA**

- **SOLVENTS:** NONE
- **BOILING POINT (**°F**):** >600
- **VAPOR PRESSURE (mm Hg):** NOT DETERMINED
- **VAPOR DENSITY (AIR=1):** NOT DETERMINED
- **SPECIFIC GRAVITY (H₂O =1):** 0.850 - 0.880 @ 25°C
- **PERCENT VOLATILES BY VOLUME:** NIL
- **SOLUBILITY IN WATER:** INSOLUBLE
- **APPEARANCE AND COLOR:** WATER WHITE TO PALE YELLOW, THIN, OILY LIQUID (WILL SOLIDIFY BELOW 65° - WILL LIQUIFY WHEN HEATED ABOVE 78°); FAINT CHARACTERISTIC ODOR

**SECTION III - INGREDIENTS**

- **CETYL ACETATE:** TLV/NIOSH: NOT ESTABLISHED  
  **SIGNIFICANT HAZARD:** SEE SECTION V
- **ACETYLATED LANOLIN ALCOHOL:** TLV/NIOSH: NOT ESTABLISHED  
  **SIGNIFICANT HAZARD:** SEE SECTION V

**SECTION IV - FIRE AND EXPLOSION HAZARDS**

- **FLASH POINT:** 355°F ASTM D92-66 (OPEN CUP)
- **EXTINGUISHING MEDIA:** USE WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL-TYPE, OR UNIVERSAL-TYPE FOAMS APPLIED BY MANUFACTURERS' RECOMMENDED TECHNIQUES.
- **SPECIAL FIRE FIGHTING PROCEDURES:** FIREFIGHTERS SHOULD USE PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.
- **UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE

**SECTION V - HEALTH HAZARD DATA**

- **THRESHOLD LIMIT VALUE:** NONE ESTABLISHED BY ACGIH OR OSHA
- **EFFECTS OF SINGLE OVEREXPOSURE:** LOW TOXICITY, HARMFUL EFFECTS NOT EXPECTED.
- **SWALLOWING:** LOW TOXICITY, HARMFUL EFFECTS NOT EXPECTED.
- **SKIN ABSORPTION:** NONE CURRENTLY KNOWN.
- **INHALATION:** VERY LOW VAPOR PRESSURE, HARMFUL EFFECTS NOT ANTICIPATED.
- **SKIN CONTACT:** MAY CAUSE MILD LOCAL REDNESS OF A FEW DAYS DURATION BY SUSTAINED CONTACT.
- **EYE CONTACT:** MAY CAUSE MILD DISCOMFORT IN THE EYE WITH SLIGHT IRRITATION OF THE CONJUNCTIVA, SEEN AS EXCESS REDNESS OF SEVERAL DAYS' DURATION.
EFFECTS OF REPEATED OVEREXPOSURE: REPEATED SKIN CONTACT MAY RESULT IN MORE SEVERE IRRITATION.
OTHER EFFECTS OF OVEREXPOSURE: NONE CURRENTLY KNOWN
MEDICAL CONDITIONS AGGRAVATE BY OVEREXPOSURE:
A KNOWLEDGE OF THE AVAILABLE TOXICOLOGY INFORMATION AND OF THE PHYSICAL AND CHEMICAL PROPERTIES OF THE MATERIAL SUGGESTS THAT OVEREXPOSURE IS UNLIKELY TO AGGRAVATE EXISTING MEDICAL CONDITIONS.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION:
STUDIES IN HUMAN SUBJECTS HAVE SHOWN THE MATERIAL TO BE NONSENSITIZING TO THE SKIN.

EMERGENCY AND FIRST AID PROCEDURES:
SWALLOWING: NO HARMFUL EFFECTS EXPECTED.
SKIN: FLUSH WITH WATER.
INHALATION: NO EMERGENCY CARE ANTICIPATED.
EYES: FLUSH THOROUGHLY WITH WATER. SEEK MEDICAL ATTENTION IF DISCOMFORT PERSISTS.
NOTES TO PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE. TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT.

SECTION VI - REACTIVITY
STABILITY: STABLE
INCOMPATIBILITY (MATERIALS TO AVOID): CONCENTRATED NITRIC OR SULFURIC ACID, STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS:
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID:

SECTION VII - SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
COVER WITH ABSORBENT OR FLUSH WITH HOT WATER. COLLECT AND DISPOSE. OBSERVE GOVERNMENT REGULATIONS.
WASTE DISPOSAL METHOD: FOLLOW ALL FEDERAL, STATE, AND LOCAL REGULATIONS FOR NONHAZARDOUS WASTE DISPOSAL.

SECTION VIII - SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION: NONE NECESSARY
VENTILATION: NONE NECESSARY
PROTECTIVE GLOVES: RUBBER OR OTHER IMPERVIOUS MATERIAL
EYE PROTECTION: SAFETY GLASSES.

SECTION IX - SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
WARNING - UNDILUTED MATERIAL MAY CAUSE EYE AND SKIN IRRITATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

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OTHER PRECAUTIONS:

WARNING - SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS OR MISTS FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURE AND PRESSURE, OR SUDDEN INGRESS OF AIR INTO VACUUM EQUIPMENT, MAY RESULT IN IGNITIONS WITHOUT THE PRESENCE OF OBVIOUS IGNITION SOURCES. PUBLISHED "AUTOIGNITION" OR "IGNITION" TEMPERATURE VALUES CANNOT BE TREATED AS SAFE OPERATING TEMPERATURES IN CHEMICAL PROCESSES WITHOUT ANALYSIS OF THE ACTUAL PROCESS CONDITIONS.

ANY USE OF THIS PRODUCT IN ELEVATED-TEMPERATURE PROCESSES SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS. FURTHER INFORMATION IS AVAILABLE IN A TECHNICAL BULLETIN ENTITLED "IGNITION HAZARDS OF ORGANIC CHEMICAL VAPORS."

SECTION X - REGULATORY INFORMATION

THE CONCENTRATIONS SHOWN ARE MAXIMUM OR CEILING LEVELS (WEIGHT %) TO BE USED FOR CALCULATION FOR REGULATIONS. TRADE SECRETS ARE INDICATED BY "TS."

***FEDERAL EPA***

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980 (CERCLA) REQUIRES NOTIFICATION OF THE NATIONAL RESPONSE CENTER OF RELEASE OF QUANTITIES OF HAZARDOUS SUBSTANCES EQUAL TO OR GREATER THAN THE REPORTABLE QUANTITIES (RQS) IN 40 CFR 302.4.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH COULD REQUIRE REPORTING UNDER THE STATUTE ARE: ***NONE***

SUPERFUND AMENDMENTS ARE REAUTHORIZATION ACE OF 1986 (SARA) TITLE III REQUIRES EMERGENCY PLANNING BASED ON THRESHOLD PLANNING QUANTITIES (TPQs) AND RELEASE REPORTING BASED ON REPORTABLE QUANTITIES (RQS) IN 40 CFR 355 (USED FOR SARA 302, 304, 311, AND 312).

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH COULD REQUIRE REPORTING UNDER THE STATUTE ARE: ***NONE***

***STATE RIGHT-TO-KNOW***

CALIFORNIA PROPOSITION 65:
THIS PRODUCT CONTAINS NO LEVELS OF LISTED SUBSTANCES, WHICH THE STATE OF CALIFORNIA HAS FOUND TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM, WHICH WOULD REQUIRE A WARNING UNDER THE STATUTE.

MASSACHUSETTS RIGHT-TO-KNOW:
SUBSTANCE LIST (MSL) HAZARDOUS SUBSTANCES AND EXTRAORDINARILY HAZARDOUS SUBSTANCES ON THE MSL MUST BE IDENTIFIED WHEN PRESENT IN PRODUCTS.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH COULD REQUIRE REPORTING UNDER THE STATUTE ARE: ***NONE***

PENNSYLVANIA RIGHT-TO-KNOW:
HAZARDOUS SUBSTANCE LIST HAZARDOUS SUBSTANCES AND SPECIAL HAZARDOUS SUBSTANCES ON THE LIST MUST BE IDENTIFIED WHEN PRESENT IN PRODUCTS.

COMPONENTS PRESENT IN THIS PRODUCT AT A LEVEL WHICH COULD REQUIRE REPORTING UNDER THE STATUTE ARE: ***NONE***

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:
THE INGREDIENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY.
CALIFORNIA SCA QMID RULE 443.1 VOC'S: ***NOT APPLICABLE***

OTHER REGULATORY INFORMATION:

***NONE***