



MATERIAL SAFETY DATA SHEET

U.S. DEPARTMENT OF LABOR
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Supplier's Name: McKinley Resources PO Box 810472 Dallas, TX 85381 972-620-9730	Telephone No.: 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#:
Cetyl Acetate (and)	629-70-9 (and)
Acetylated Lanolin Alcohol	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

<u>MATERIAL:</u>	<u>TLV/UNITS</u>	<u>SIGNIFICANT HAZARD</u>
CETYL ACETATE:	NOT ESTABLISHED	SEE SECTION V
ACETYLATED LANOLIN ALCOHOL:	NOT ESTABLISHED	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:	
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:

BURNING CAN PRODUCE CARBON MONOXIDE, AND/OR CARBON DIOXIDE

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

CONDITIONS TO AVOID:

NONE

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.



FOR INDUSTRY USE ONLY

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 REAUTHORIZATION ACT 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 QMD RULE 443.1 VOC'S:

*****NOT APPLICABLE*****

OTHER REGULATORY INFORMATION:

*****NONE*****