

Oleth-20

Material Safety Data Sheet

(updated 7-11-2014)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Oleth-20

INCI Name: Oleth-20

CAS Number: 9004-98-2

Chemical Name:

Company Name: MakingCosmetics Inc.

Company Address: 35318 SE Center Street, Snoqualmie WA 98065, Phone 425-292-9502

CAS Registry Number: 00009004-98-2
CAS Registry Name: POLY (OXY-1-2-ETHANEDIYL), ALPHA-9-OCTADECENYL-OMEGA-HYDROXY-(Z)-POLYOXYETHLATED (20) OLEYL ALCOHOL
Synonym:
Molecular Weight: 1148.00
Molecular Formula: $(C_2H_4O)_n C_{18}H_{36}O$. n=20

SECTION II - PHYSICAL & HEALTH HAZARD INGREDIENTS

COMMON NAME: ETHYLENE OXIDE (EO)
CHEMICAL NAME: OXIRANE
HAZARD %: LESS THAN 0.0002
HAZARD REFERENCE:
PEL(TLV)TWA: 1 PPM
ACTION LEVEL: 0.5 PPM
TRACES OF EO COULD ACCUMULATE IN HEAD SPACE OF STORAGE/TRANSPORT VESSELS. SEE SECTION 07-OCCUPAT'L CONTROL PROCEDURES.

SECTION III - PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: NO DATA FOUND
VAPOR PRESSURE: NOT VOLATILE
VAPOR DENSITY (AIR=1): NOT VOLATILE
WATER SOLUBILITY: READILY SOLUBLE AT 72°C.
MELTING/FREEZING POINT: 43.00°C
APPEARANCE: SOFT WAX
SPECIFIC GRAVITY (WATER=1): 1.03 - 1.04
PERCENTAGE VOLATILES: 0.50% WATER-MAX
EVAPORATION RATE: NOT VOLATILE
pH OF SOLUTION: 7.00 - 8.00 1% SOLUTION
ODOR: NO DATA FOUND

SECTION IV - PHYSICAL HAZARD DATA

FLASH POINT: 460.00°F (OC)
AUTO IGNITION TEMPERATURE: NO DATA FOUND
FLAMMABLE LIMITS: NO DATA FOUND
FIRE FIGHTING MEDIA: USE MEDIA PROPER TO PRIMARY CAUSE OF FIRE
SPECIAL FIRE FIGHTING PROCEDURES: NONE KNOWN
FIRE/EXPLOSION HAZARDS: NONE KNOWN
NFPA HAZARD CODES: HEALTH (1); FLAMMABILITY (1); REACTIVITY (0)
HMIS HAZARD CODES: HEALTH (1); FLAMMABILITY (1); REACTIVITY (0)
FIRE POINT: 649°F

SECTION V - REACTIVITY DATA

STABILITY:	STABLE
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS TO AVOID:	NONE KNOWN
INCOMPATIBILITY MATERIALS:	STRONG OXIDIZING OR REDUCING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS:	ACRID SMOKE AND FUMES EMITTED WHEN HEATED TO DECOMPOSITION.

SECTION VI - HEALTH HAZARD DATA

	<u>-ACUTE TOXICITY-</u>
ORAL TOXICITY:	RAT LD50: 2250 MG/KG
DERMAL TOXICITY:	NO DATA FOUND
INHALATION TOXICITY:	NO DATA FOUND
SKIN IRRITATION:	RABBIT: PRIMARY IRRITATION INDEX: 0; HUMAN: NOT IRRITATING
EYE IRRITATION:	RABBIT: 5MG/48 HOURS; IRRITANT
SENSITIZER:	NO
DOT CORROSIVE:	NO
PRIMARY ROUTE(S) OF ENTRY:	CONTACT
	<u>-SIGNS AND SYMPTOMS OF EXPOSURE-</u>
SYMPTOMS OF INGESTION:	NO EFFECTS OF EXPOSURE EXPECTED
SYMPTOMS OF SKIN CONTACT:	NO EFFECTS OF EXPOSURE EXPECTED DUE TO CONTACT. MAY POSSIBLY CAUSE IRRITATION OR DERMITITS IN SOME INDIVIDUALS UPON PROLONGED CONTACT.
SYMPTOMS OF INHALATION:	IF MISTED, MAY CAUSE SNEEZING, SLIGHT IRRITATION OF NOSE AND THROAT.
SYMPTOMS OF EYE CONTACT:	MAY CAUSE WATERING OF EYES AND INFLAMMATION OF CONJUNCTIVA
	<u>-EMERGENCY FIRST AID PROCEDURES-</u>
FIRST AID FOR INGESTION:	GENERAL PRECAUTIONARY MEASURE SUGGEST INDUCING VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGER DOWN THROAT. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN.
FIRST AID OF INHALATION:	REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.
FIRST AID FOR SKIN CONTACT:	FOR ALL FOREIGN MATERIALS, WASH AFTER EXPOSURE.
FIRST AID FOR EYE CONTACT:	IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN. CALL A PHYSICIAN.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	NO DATA FOUND
EXPOSURE LIMITS:	SEE SECTION II FOR PHYSICAL & HEALTH HAZARD INGREDIENTS.
	<u>-OTHER TOXICITY-</u>
OTHER ACUTE TOXICITY:	INTRAPERITONEAL - RAT LD50: 235 MG/KG
SUB CHRONIC ORAL TOXICITY:	90-DA; RAT; AT 0.01, 0.04, 0.16, 2.5, 5.0% IN THE DIET, NO SIGNIFICANT PATHOLOGY WAS OBSERVED WITH THE EXCEPTION OF DECREASED WEIGHT GAIN AT 2.5% AND 5.0%
	90-DAY; DOG; AT 0.04, 0.64, 5.0% IN THE DIET, NO SIGNIFICANT PATHOLOGY WS OBSERVED WITH THE EXCEPTION OF RETARDATION OF WEIGHT GAIN IN MALE DOG AT 5.0%.
SUB CHRONIC INHALATION TOXICITY:	NO DATA FOUND
SUB CHRONIC MISCELLANEOUS TOXICITY:	NO DATA FOUND
AQUATIC TOXICITY:	NO DATA FOUND
TUMORIGENCY:	WHEN PRODUCT IS HANDLED IN ACCORDANCE WITH SECTION VII"OCCUPATIONAL CONTROL PROCEDURES",
	NEITHER ACUTE NOR LONG TERM HAZARD FROM ETHYLENE OXIDE IS EXPECTED.
MUTAGENICITY:	NO DATA FOUND
REPRODUCTIVE TOXICITY:	NO DATA FOUND
MISCELLANEOUS TOXICITY:	NO DATA FOUND

SECTION VII - OCCUPATIONAL CONTROL PROCEDURES

VENTILATION: USE WITH ADEQUATE VENTILATION, ESPECIALLY WHERE DRUMS OR TANKWAGONS ARE BEING OPENED.

RESPIRATORY PROTECTION: USE NIOSH-APPROVED RESPIRATOR, IF ADEQUATE VENTILATION CANNOT BE PROVIDED AT ANY TIME, OR IF THERE IS A POSSIBILITY OF EXCESSIVE CONTACT WITH HEADSPACE ABOVE THE DRUM OR TANKWAGON.

EYE PROTECTION: SAFETY GLASSES.

SKIN PROTECTION: NONE REQUIRED.

PERSONAL HYGIENE: WASH THOROUGHLY AFTER HANDLING.

PROTECTIVE MEASURES DURING REPAIR/MAINTENANCE OR EQUIPMENT: WASH EQUIPMENT THOROUGHLY WITH STEAM OR WARM WATER UNTIL CLEAN. CHECK FOR FLAMMABLES WITH AN "EXPLOSION METER" AND ALSO CHECK THE OXYGEN LEVEL WITH ANY OXYGEN METER. IN ALL CASES, FOLLOW GOOD INDUSTRIAL SAFETY PRACTICES BEFORE ENTERING EQUIPMENT.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING, STORAGE, AND USE

PRECAUTIONARY MEASURES: AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING. AVOID BREATHING MIST. USE WITH ADEQUATE VENTILATION FOR MISTING OPERATIONS. EO, A CANCER AND REPRODUCTIVE HAZARD, MAY BE PRESENT IN THIS PRODUCT. REPEATED EXPOSURE MAY BE HARMFUL. IF CONTROL PROCEDURES IN SECTION VII ARE FOLLOWED, AIR SPACE CONCENTRATIONS SHOULD BE BELOW THE OSHA ESTABLISHED "ACTION LEVEL".

SPILL/LEAK CLEAN-UP PROCEDURES: SCOOP UP AND DISPOSE OF WITH SOLID WASTE ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS. FLUSH SPILL AREA WITH WATER.

DISPOSAL METHOD: DISPOSE OF WITH SOLID WASTE ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.

EPA HAZARDOUS SUBSTANCE REPORTABLE QUANTITY: NOT LISTED

RCRA CLASS: NOT REGULATED

SECTION IX - TRANSPORTATION DATA

-DOMESTIC DATA-

DOT SHIPPING NAME: NOT REGULATED

DOT HAZARD CLASS: -

HAZARDOUS INGREDIENT(S): NONE

UN NUMBER: NONE

-EXPORT DATA-

EXPORT SHIPPING NAME: NOT REGULATED

EXPORT HAZARD CLASS: -

HAZARDOUS INGREDIENT(S): NONE

UN NUMBER: NONE

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