

VALCO CINCINNATI CONSUMER PRODUCTS INC.
ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246
MATERIAL SAFETY DATA SHEET
MATERIAL NAME: VALCO HYLOMAR AERO GRADE (PL32) 710XX291 (LIGHT), 710XX292 (MEDIUM)
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO.:(513) 874-6550
DATE ISSUED: AUGUST 2009

SECTION I – GENERAL INFORMATION

MANUFACTURER'S NAME: HYLOMAR LTD
TRADE NAME & SYNONYMS: HYLOMAR AERO GRADE **PROPER SHIPPING NAME:** Toxic Liquid Organic N.O.S.
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION: HEALTH (NFPA): 2 FLAMMABILITY (NFPA): 1 REACTIVITY (NFPA): 0
TRANSPORTATION INFORMATION: UN# 2810 PACKAGING GROUP: III HAZARD CLASS 6.1
SHELF LIFE: 2 YEARS

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY - COMMON NAME(S)): DICHLOROMETHANE
LIGHT = 63% (DICHLOROMETHANE) MEDIUM = 55% (DICHLOROMETHANE) HEAVY = 30% (DICHLOROMETHANE)
CAS NUMBER: #75-09-02 ACGIH TLV/TWA: 174 mg/kg TLV/STEL: N/A
HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY - COMMON NAME(S)): POLYESTER POLYOL
LIGHT = 37+/- 5% (POLYESTER POLYOL) MEDIUM = 45+/- 5% (POLYESTER POLYOL) HEAVY = 70+/- 5% (POLYESTER POLYOL)
CAS NUMBER: N/A ACGIH TLV/TWA: N/A TLV/STEL: N/A

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT, 760 MM HG: 40°C **FREEZE POINT:** N/A
SPECIFIC GRAVITY @ 20°C: 1.3 **VAPOR PRESSURE (mm Hg @ 25°C):** 400
VAPOR DENSITY (AIR = 1): 2.9 **SOLUBILITY IN WATER, PERCENT BY WEIGHT:** <5
PERCENT VOLATILES BY VOLUME: N/A **EVAPORATION RATE (BUTYL ACETATE =1):** 25 **SOLVENT**
FLASH POINT: 165°F (SEE BELOW) **pH (NEAT):** N/A
APPEARANCE AND ODOR: BLUE GEL

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): 165°F (RESIDUAL PUTTY ONLY) (COC)
FLAMMABLE LIMITS IN AIR PERCENT BY VOLUME: LEL: 13% UEL: 22%
EXTINGUISHING MEDIA: FOAM, CO₂, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: PHOSGENE AND CHLOROHYDROCARBONS WILL BE PRODUCED AT HIGH TEMPERATURES AND IN PRESENCE OF OPEN FLAME.

SECTION V – REACTIVITY DATA

STABILITY: STABLE **CONDITIONS TO AVOID:** SOURCES OF IGNITION
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS. AVOID ANY CONTACT WITH HOT SURFACES, SPARKS OR OPEN FLAMES. ALSO, IT IS IMPERATIVE TO ISOLATE THIS MATERIAL FROM ALKALINE METALS BECAUSE IT MAY REACT WITH VIOLENCE.
HAZARDOUS DECOMPOSITION PRODUCTS: MAY LIBERATE CARBON DIOXIDE, CHLORINE, OR PHOSGENE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
TOXICOLOGICAL INFORMATION:
SECTION 313 SUPPLIER NOTIFICATION: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING RE-QUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR, PART 372:
COMPONENT: DICHLOROMETHANE CAS #: 75-09-2 PERCENT: 28 - 80%
TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: THE INGREDIENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY

VALCO CINCINNATI CONSUMER PRODUCTS INC.

ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OH 45246

MATERIAL SAFETY DATA SHEET

MATERIAL NAME: VALCO HYLOMAR AERO GRADE 710XX291 (LIGHT), 710XX292 (MEDIUM)

EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053

PRODUCT INFORMATION NO.: (513) 874-6550

DATE ISSUED AUGUST 2009

SECTION VI – HEALTH HAZARD DATA

ROUTES OF ENTRY: EYES, SKIN, INGESTION, INHALATION

EYE: CAUSES SEVERE IRRITATION (SOLVENT ONLY)

SKIN: IRRITANT DEFATTER (SOLVENT ONLY)

INHALATION: NARCOTIC AND TOXIC

INGESTION: NARCOTIC AND TOXIC. RESIDUAL PUTTY IS BELIEVED TO BE NON-TOXIC.

SIGNS AND SYMPTOMS OF EXPOSURE: SOLVENT VAPORS MAY CAUSE HEADACHE AND DIZZINESS; EXTENDED EXPOSURE MAY CAUSE NARCOSIS AND POSSIBLY COMA.

AGGRAVATION OF EXISTING CONDITIONS: PERSONS WITH ANGINA OR HEART DISEASE OR THOSE WHO ARE HEAVY DRINKERS OR SMOKERS

SHOULD NOT BE EXPOSED TO THIS PRODUCT.

TOXICITY: THIS PRODUCT CONTAINS SIGNIFICANT LEVELS OF DICHLOROMETHANE. (HUMAN TCLO=500 PPM/8HR.) THIS MATERIAL IS NOT CONSIDERED A

CARCINOGEN BY THE NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, OR THE OCCUPATIONAL

SAFETY AND HEALTH ADMINISTRATION. A "HAZARD ALERT" ISSUED BY THE STATE OF CALIFORNIA

DEPARTMENT OF HEALTH REPORTS RECENT

STUDIES SHOW THAT DICHLOROMETHANE CAUSES CANCER IN LABORATORY ANIMALS. THE IARC

CARCINOGENIC DETERMINATION IS ANIMAL

INDEFINITE. AN EPIDEMIOLOGICAL STUDY OF MALE HUMANS CONTINUALLY EXPOSED TO ESTIMATED TWA CONCENTRATIONS OF 30-125 PPM FOR

UP TO 30 YEARS INDICATED NO INCREASE IN MORTALITY COMPARED TO THE GENERAL MALE POPULATION.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ADVICE IMMEDIATELY.

SKIN: FLUSH WITH WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING. IF IRRITATION OCCURS, GET MEDICAL ATTENTION

INGESTION: DO NOT GIVE LIQUIDS IF VICTIM IS UNCONSCIOUS OR VERY DROWSY. DO NOT INDUCE VOMITING. CALL A PHYSICIAN

INHALATION: REMOVE TO FRESH AIR. TREAT SYMPTOMS. CALL A PHYSICIAN.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ALLOW SOLVENT TO EVAPORATE IN A FORCED DRAUGHT. SCRAPE UP PUTTY AND PLACE IN CONTAINER SUITABLE FOR DISPOSAL. AVOID BREATHING FUMES/SPRAY/MIST, VENTILATE CONFINED SPACES. KEEP FROM WATER

COURSES AND SEWERS. DISPOSE OF LIQUID AND ABSORBING MATERIAL IN ACCORDANCE WITH ALL LAWS, FEDERAL, STATE AND LOCAL.

WASTE DISPOSAL METHOD: DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER

APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE, AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL

PROCEDURES.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP AWAY FROM FOODSTUFFS. WASH

THOROUGHLY AFTER USE. DO NOT EAT, DRINK, OR SMOKE WHILE USING. SAFETY SHOWER, EYE BATH, AND WASHING FACILITIES SHOULD BE AVAILABLE.

OTHER PRECAUTIONS: STORE BETWEEN 5°C AND 35°C.

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION: IF IT IS POSSIBLE TO GENERATE SIGNIFICANT LEVELS OF VAPORS OR MISTS, A NIOSH APPROVED OR EQUIVALENT

RESPIRATOR IS RECOMMENDED.

VENTILATION: GENERAL VENTILATION IS RECOMMENDED.

VALCO CINCINNATI CONSUMER PRODUCTS INC.

ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OH 45246

MATERIAL SAFETY DATA SHEET

MATERIAL NAME: VALCO HYLOMAR AERO GRADE 710XX291 (LIGHT), 710XX292 (MEDIUM), 710XX293 (HEAVY)

EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053

PRODUCT INFORMATION NO.: (513) 874-6550

DATE ISSUED: AUGUST 2009

SECTION VIII – CONTROL MEASURES (CON'T)

PROTECTIVE EQUIPMENT: USE IMPERMEABLE GLOVES AND CHEMICAL SPLASH GOGGLES WHEN ATTACHING FEEDING EQUIPMENT OR DOING MAINTENANCE.

IF CLOTHING IS CONTAMINATED, REMOVE CLOTHING AND THOROUGHLY WASH THE AFFECTED AREA. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

SECTION IX – DISCLAIMER

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE; OBTAINED FROM SOURCES BELIEVED BY VALCO CINCINNATI, INC. TO BE ACCURATE. SINCE THE CONDITIONS AND METHODS OF USE OF OUR PRODUCT ARE BEYOND OUR CONTROL, WE DISCLAIM ANY AND ALL LIABILITY ARISING OUT OF THE IMPROPER USE OF THIS PRODUCT OR THE INFORMATION PROVIDED HEREWITH.