

VALCO CINCINNATI CONSUMER PRODUCTS INC.  
MATERIAL SAFETY DATA SHEET

**MATERIAL NAME:** VALCO HYLOMAR AEROSOL PL32 710XX294  
**EMERGENCY TELEPHONE NO.:** CALL INFOTRAC AT 1-800-535-5053  
**PRODUCT INFORMATION NO.:** (513) 874-6550  
**DATE ISSUED**

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SECTION I – GENERAL INFORMATION

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**MANUFACTURER'S NAME:** VALCO CINCINNATI  
**ADDRESS:** 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246  
**TRADE NAME & SYNONYMS:** HYLOMAR AEROSOL PL32  
**D.O.T. SHIPPING NAME:** AEROSOLS, FLAMMABLE / 2.1, UN 1950 – NOT EXCEEDING 1 LITER CAPACITY  
**HAZARD CLASS:** FLAMMABLE GAS – AIR MAXIMUM QUANTITY 25 KG  
SHELF LIFE: 2 YEARS

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SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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**HAZARDOUS COMPONENTS**

<b>(SPECIFIC CHEMICAL IDENTITY - COMMON NAME(S)):</b>	<b>CAS NUMBER</b>	<b>ACGIH TLV/TWA</b>
DICHLOROMETHANE	75-09-02	174 mg/kg
LIGHT = 63% (DICHLOROMETHANE)		L-25 = 75% (DICHLOROMETHANE)
L-20 = 80% (DICHLOROMETHANE)		L-14 = 86% (DICHLOROMETHANE)
POLYESTER POLYOL		
	<b>CAS NUMBER</b>	<b>ACGIH TLV/TWA</b>
	N/A	N/A
LIGHT = 37 +/- 5% (POLYESTER POLYOL)		L-25 = +/- 5% (POLYESTER POLYOL)
L-20 = 20 +/- 5% (POLYESTER POLYOL)		L-14 = 14 +/- 5% (POLYESTER POLYOL)

**PROPELLANT:** NAPHTHA

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SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

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<b>BOILING POINT:</b> 40°C	<b>SPECIFIC GRAVITY @ 20°C:</b> 1.3
<b>VAPOR PRESSURE (mm Hg @ 68°F):</b> 400	<b>PERCENT VOLATILE:</b> N/A
<b>VAPOR DENSITY (AIR=1):</b> 2.9	<b>EVAPORATION RATE (BUTYL ACETATE):</b> 25 (SOLVENT)
<b>SOLUBILITY IN WATER:</b> <5	<b>REACTIVITY IN WATER:</b> NONE
<b>APPEARANCE AND ODOR:</b> BLUE GEL	

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SECTION IV – FIRE AND EXPLOSION HAZARD DATA

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**FLASH POINT (METHOD USED):** 165°F (RESIDUAL PUTTY ONLY) (COC)  
**FLAMMABLE LIMITS:** LEL: 13% UEL: 22%  
**EXTINGUISHING MEDIA:** FOAM, CO<sub>2</sub>, DRY CHEMICAL  
**SPECIAL FIRE FIGHTING PROCEDURES:** PRESSURIZED CONTAINER. DO NOT EXCEED 50°C  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** PHOSGENE AND CHLOROHYDROCARBONS WILL BE PRODUCED AT HIGH TEMPERATURES AND IN PRESENCE OF OPEN FLAME.

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SECTION V – REACTIVITY DATA

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**STABILITY:** STABLE    **CONDITIONS TO AVOID:** SOURCES OF IGNITION  
**INCOMPATIBILITY (MATERIALS TO AVOID):** STRONG OXIDIZERS. AVOID ANY CONTACT WITH HOT SURFACES, SPARKS OR OPEN FLAMES.  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

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SECTION VI – HEALTH HAZARD DATA

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**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.

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SECTION VI – HEALTH HAZARD DATA (CONTINUED)

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**HEALTH HAZARDS (ACUTE AND CHRONIC):**

**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  $TC_{Lo} = 500$  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 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 HUMAN POPULATION.

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:** FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.

**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.

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SECTION VII – TOXIC SUBSTANCES ACT

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**TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:** THE INGREDIENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY.

**SECTION 313 SUPPLIES NOTIFICATION:** THE PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 OF 40 CFR, PART 372:

COMPONENT	CAS#	PERCENT
DICHLOROMETHANE	75-09-02	28-80

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SECTION VIII – PRECAUTIONS FOR SAFE HANDLING AND USE

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**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.

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SECTION IX – CONTROL MEASURES

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

**VENTILATION:** LOCAL EXHAUST: NO MECHANICAL (GENERAL): YES SPECIAL: N/A OTHER: N/A

**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.

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SECTION X – DISCLAIMER

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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.