

VALCO CINCINNATI CONSUMER PRODUCTS INC.

MATERIAL SAFETY DATA SHEET

MATERIAL NAME: VALCO HYLOMAR UNIVERSAL BLUE 710XX251, 710XX253, 710XX255, 710XX260, 710XX274, 710XX283, 710XX285, 710XX286, 710XX326, 710XX327, 710XX329, 710XX337

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

ADDRESS: CALE LANE, WIGAN, ENGLAND

TRADE NAME & SYNONYMS: HYLOMAR UNIVERSAL BLUE

DESCRIPTION: A SILICA FILLED POLYURETHANE/POLYESTER MIXTURE DISPERSED IN METHYLENE CHLORIDE. **PROPER SHIPPING NAME:** TOXIC LIQUID ORGANIC N.O.S. (CONTAINS DICHLOROMETHANE)

NFPA = NATIONAL FIRE PROTECTION ASSOCIATION: 704

HEALTH (NFPA): 2 **FLAMMABILITY (NFPA):** 1 **REACTIVITY (NFPA):** 0

TRANSPORTATION INFORMATION: UN#: 2810 PACKAGING GROUP: III HAZARD CLASS 6.1

SHELF LIFE: 2 YEARS

HMIS: 310C

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY - COMMON NAME(S)): DICHLOROMETHANE
LIGHT = 63% (DICHLOROMETHANE) **MEDIUM** = 55% (DICHLOROMETHANE) **HEAVY** = 30% (DICHLOROMETHANE)
L - 25 = 75% (DICHLOROMETHANE) **L - 20** = 80% (DICHLOROMETHANE) **L - 14** = 86% (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)

L - 25 = 25+/- 5% (POLYESTER POLYOL) **L - 20** = 20+/- 5% (POLYESTER POLYOL) **L - 14** = 14+/- 5% (POLYESTER POLYOL)

NOTE: HYLOMAR PUTTY, I.E., THE RESIDUE AFTER SOLVENT EVAPORATION IS NOT KNOWN TO BE HARMFUL.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT, 760 MM HG: POLYMERIZES OVER 104°F (40°C) **FREEZE POINT:** ND

SPECIFIC GRAVITY @ 20°C: 1.3 **VAPOR PRESSURE (mm Hg @ 25°C):** 400

VAPOR DENSITY (AIR = 1): 2.9 **SOLUBILITY IN WATER, % BY WEIGHT:** <5

PERCENT VOLATILES BY VOLUME: N/A **EVAPORATION RATE BUTYL ACETATE =1:** <1

FLASH POINT: 165°F (74°C) **pH (NEAT):** ND

APPEARANCE AND ODOR: CLEAR BLUE LIQUID/GEL – ODOR IS CHARACTERISTIC OF METHYLENE CHLORIDE

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): 165°F (74°C) (COC)

FLAMMABLE LIMITS IN AIR 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 THE PRESENCE OF OPEN FLAME.

PROTECTIVE EQUIPMENT: WEAR SELF-CONTAINED BREATHING APPARATUS WHEN IN CLOSE PROXIMITY OR IN CONFINED SPACES. PROTECT INTERVENTION TEAM WITH WATER SPRAY WHEN APPROACHING FIRE.

SECTION V – REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: SOURCES OF IGNITION

INCOMPATIBILITY (MATERIALS TO AVOID): OPEN FLAMES, AND OTHER HIGH TEMPERATURE SOURCES AS THERMAL DECOMPOSITION MAY BE INDUCED. AVOID CONTACT WITH OXIDIZING AGENTS.

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

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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 (SOLVENT ONLY)

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 POSSIBLE 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 =25PPM/8 HR.) 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 HUMAN POPULATION.

EMERGENCY AND FIRST AID PROCEDURES:

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

SKIN: WASH WITH WARM SOAPY WATER. 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 ALTHOUGH VICTIM MAY BE ALLOWED TO VOMIT NATURALLY. IF VOMITING OCCURS, KEEP VICTIM'S HEAD BELOW THE HIPS TO PREVENT BREATHING VOMITUS INTO THE LUNGS. **CALL A PHYSICIAN IMMEDIATELY**

INHALATION: REMOVE TO FRESH AIR. KEEP WARM AND AT REST UNTIL SIGNS OF DISTRESS HAVE DISAPPEARED. IF RAPID RECOVERY DOES NOT OCCUR, GET IMMEDIATE ATTENTION.

NOTE TO PHYSICIAN: OVEREXPOSURE TO MANY CHLORINATED SOLVENTS, ESPECIALLY IF ACCOMPANIED BY ANOXIA, MAY TEMPORARILY INCREASE CARDIAC IRRITABILITY. MAINTAIN ADEQUATE OXYGENATION UNTIL RECOVERY. AVOID SYMPATHOMIMETIC AMINES, SUCH AS EPINEPHRINE, WHICH MAY PRECIPITATE ARRHYTHMIAS.

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 DRAFT. 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 MATERIAL IN ACCORDANCE WITH ALL LAWS, FEDERAL, STATE AND LOCAL.

WASTE DISPOSAL METHOD: DISPOSE OF LIQUID AND ABSORBING MATERIAL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS AT TIME OF DISPOSAL.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE (CONT)

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. STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS.

DISPOSAL OF EMPTY CONTAINERS: EVEN THOSE THAT HAVE BEEN EMPTIED WILL RETAIN PRODUCT RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL. VAPORS ARE HEAVIER THAN AIR AND MAY COLLECT IN LOW OR POORLY VENTILATED PLACES.

OTHER PRECAUTIONS: DO NOT CUT, GRIND, WELD OR DRILL ON OR NEAR THE PRODUCT CONTAINER. STORE BETWEEN 40°F (5°C) AND 95°F (35°C)

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SECTION VII – CONTROL MEASURES

RESPIRATORY PROTECTION: WEAR NIOSH-APPROVED RESPIRATOR APPROPRIATE FOR THOSE EMISSION LEVELS.

VENTILATION: LOCAL EXHAUST: YES MECHANICAL (GENERAL): YES SPECIAL: N/A OTHER: N/A

SKIN PROTECTION: LONG SLEEVED SHIRT, TROUSERS, SAFETY SHOES, NEOPRENE GLOVES AND APRON.

EYE PROTECTION: USE CHEMICAL GOGGLES UNLESS A FULL FACE PIECE RESPIRATOR IS ALSO WORN. DO NOT WEAR CONTACT LENSES, THEY MAY CONTRIBUTE TO THE SEVERITY OF AN EYE INJURY.

OTHER PROTECTIVE EQUIPMENT: AN EYEWASH AND SAFETY SHOWER SHOULD BE NEARBY AND READY FOR USE. 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 HERE WITH.