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VALCO CINCINNATI CONSUMER PRODUCTS INC.
MATERIAL SAFETY DATA SHEET
MATERIAL NAME: VALCO ALL-IN-ONE SILICONE, TUBE: ALUMINUM (710XX195, 710XX193), BLACK (710XX135, 710XX133), BLUE (710XX165, 710XX163), CLEAR (710XX105, 710XX103), CARTRIDGES: ALUMINUM (710XX202) CLEAR (710XX112), BLACK (710XX142)
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO.: (513) 874-6550
DATE ISSUED: January 10, 2003

SECTION I – GENERAL INFORMATION

MANUFACTURER'S NAME: VALCO CINCINNATI, INCORPORATED
ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246

TRADE NAME & SYNONYMS: ALL-IN-ONE SILICONE
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION: 704
HEALTH (NFPA): 1 **FLAMMABILITY (NFPA):** 1 **REACTIVITY (NFPA):** 0
REVISION: 1
SHELF LIFE: 1 YEAR

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY - COMMON NAME(S)):
METHYLTRIACETOXYSILANE 2%
CAS NUMBER: #004253343
HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY - COMMON NAME(S)):
ETHYLTRIACETOXYSILANE 2%
CAS NUMBER: #017689779
HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY - COMMON NAME(S)):
SILICA, AMORPHOUS 10%
CAS NUMBER: #007631869
OSHA PEL: TWA 15 MG/M3 **ACGIH TLV:** TWA 10 MG/M3 TOTAL DUST
COMMENTS: OBSERVED LIMITS FOR ACETIC ACID, FORMED DURING CURING ON EXPOSURE TO WATER OR HUMID AIR. PROVIDE ADEQUATE VENTILATION TO CONTROL EXPOSURES.
OSHA PEL: TWA 10 PPM ACGIH
TLV: TWA 10 PPM, STEL 15 PPM.

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: NOT APPLICABLE
MELTING POINT: N/A
EVAPORATION RATE: N/A
PERCENT VOLATILE BY WEIGHT: SPECIFIC GRAVITY (AT 77 DEG F/25 DEG C): 1.04
VAPOR PRESSURE (MM HG. @ 68°F): LESS THAN 5 MM
VAPOR DENSITY: NOT APPLICABLE
SOLUBILITY IN WATER: NONE
APPEARANCE AND ODOR: ACETIC ACID-LIKE, PASTE ALUMINUM

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USE): CLOSED CUP ABOVE 212F/100C: NOT APPLICABLE – SOLID
AUTOIGNITION TEMPERATURE: NOT DETERMINED
FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: NOT DETERMINED
EXTINGUISHING MEDIA: WATER, WATER FOG (OR SPRAY), CO_2, DRY CHEMICAL, FOAM, OTHER

SPECIAL FIRE FIGHTING PROCEDURES:
SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS. IF LARGE AMOUNT IS INVOLVED, EVACUATE AREA.

SECTION V – REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: EXPOSURE TO AIR OR MOISTURE UNTIL READY TO USE
INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION, AIR OR MOISTURE CAUSES CURING AND ACETIC ACID
HAZARDOUS DECOMPOSITION PRODUCTS OR BY-PRODUCTS: ALUMINUM OXIDE, SILICON DIOXIDE, CARBON DIOXIDE, AND TRACES OF INCOM-PLETELY BURNED CARBON PRODUCTS, FORMALDEHYDE.
TOXICOLOGICAL INFORMATION: COMPLETE INFORMATION NOT YET AVAILABLE.
ECOLOGICAL INFORMATION: COMPLETE INFORMATION NOT YET AVAILABLE.

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SECTION VI – HEALTH HAZARD DATA

ROUTES OF ENTRY: EYES, SKIN, INGESTION, INHALATION

SKIN:	A SINGLE SHORT EXPOSURE (LESS THAN 24 HOURS) MAY IRRITATE. REPEATED PROLONGED CONTACT (24 TO 48 HOURS) MAY IRRITATE MODERATELY.
EYE:	DIRECT CONTACT IRRITATES MODERATELY WITH REDNESS AND SWELLING
INHALATION:	VAPOR OVEREXPOSURE MAY IRRITATE EYES, NOSE AND THROAT
INGESTION:	SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE, ETC., SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY CAUSE DIGESTIVE DISCOMFORT.

NO INJURY FROM SILICA DUST SHOULD OCCUR DURING REASONABLE USE. IF USE CREATES RESPIRABLE PARTICLES, SOME RESPIRATORY SYSTEM INJURY MAY OCCUR. CURED SEALANT IS NONHAZARDOUS. NO KNOWN ADVERSE CHRONIC HEALTH EFFECTS, BUT UNNECESSARY EXPOSURE TO ANY CHEMICAL SHOULD BE AVOIDED. THIS PRODUCT, AS WITH ANY CHEMICAL, MAY ENHANCE ALLERGIC CONDITIONS IN CERTAIN PEOPLE.

EMERGENCY AND FIRST AID PROCEDURES:

EYES:	FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.
SKIN:	REMOVE FROM SKIN AND WASH THOROUGHLY WITH SOAP AND WATER OR WATERLESS CLEANSER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.
INGESTION:	NO FIRST AID SHOULD BE NEEDED
INHALATION:	REMOVE TO FRESH AIR

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT AND CONTAIN FOR SALVAGE DISPOSAL.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE BELOW 90°F/32°C. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID EYE CONTACT. AVOID BREATHING VAPOR. USE REASONABLE CARE.

SECTION VII – CONTROL MEASURES

RESPIRATORY PROTECTION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

SKIN PROTECTION: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATED CLOTHING AND SHOES AS SOON AS PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE. RUBBER OR PLASTIC GLOVES ARE RECOMMENDED.

VENTILATION: LOCAL EXHAUST MAY BE NEEDED AND MECHANICAL IS RECOMMENDED.

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.