

VALCO CINCINNATI CONSUMER PRODUCTS INC.
SAFETY DATA SHEET
MATERIAL NAME: VALCO EXTREME ALL-IN-ONE-SILICONE (710XX962)
EMERGENCY TELEPHONE NO.: CALL INFOTRAC AT 1-800-535-5053
PRODUCT INFORMATION NO.: (513) 874-6550
DATE ISSUED: MARCH 2015

SECTION I – GENERAL INFORMATION

DISTRIBUTED BY: VALCO CINCINNATI, INCORPORATED
ADDRESS: 411 CIRCLE FREEWAY DRIVE, CINCINNATI, OHIO 45246
TRADE NAME & SYNONYMS: 1217F-GM ONE COMPONENT SILICONE RUBBER COMPOUND
SHELF LIFE: 1 YEAR

SECTION II – HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Eye irritation, Category 2A
Skin irritation, Category 2

GHS LABEL



Exclamation
mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H320: Causes eye irritation
H315: Causes skin irritation

Precautionary statement(s)

Prevention:

P270: Do not eat, drink, or smoke when using this product
P233: Keep container tightly closed
P102: Keep out of reach of children
P273: Avoid release to the environment
P285: In case of inadequate ventilation wear respiratory protection.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Gray paste

IMMEDIATE CONCERNS: May cause irritation to the eyes, skin, and respiratory tract.

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SECTION II – HAZARDS IDENTIFICATION (CONT)

POTENTIAL HEALTH EFFECTS:

EYES: Direct contact may cause slight irritation with redness and swelling.

SKIN: Repeated or prolonged contact with skin may cause slight irritation leading to dermatitis. Product contains oximes which are possible skin sensitizers.

INGESTION: Small amounts should not cause injury. Swallowing large amounts may cause slight injury.

INHALATION: Overexposure to vapors may cause drowsiness, blood and liver injury, and may irritate eyes, nose and throat.

CARCINOGENICITY: IARC, NTP AND OSHA do not list this product as a carcinogen.

ROUTES OF ENTRY: Inhalation or ingestion.

COMMENTS:

Methyl ethyl ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver cancer. Additional testing is being planned by the MEKO supplier To determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable. Also, this product contains crystalline silica, fumed silica, titanium dioxide, calcium carbonate, and carbon black which are considered a hazard by inhalation with dust. Crystalline silica is classified as an agent which is a probable carcinogen in humans. But, this product does not fall under the dust inhalation hazard or the carcinogen classification since it does not generate dust under normal handling conditions.

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Calcium carbonate	20 - 23	1317-65-3
Crystalline silica	20 - 23	14808-60-7
Silane, dichloromethyl-, reaction products with silica	5 - 6	68611-44-9
2-Butanone, O, O', O''-(ethenylsilylidene) trioxime	3 - 4	2224-33-1
Titanium dioxide	< 1	13463-67-7
Toluene	< 1	108-88-3

COMMENTS: Methyl ethyl ketoxime: Cracked gas

SECTION IV – FIRST AID MEASURES

EYES: Immediately flush with water for 15 minutes.

SKIN: Remove from skin and flush with water for 15 minutes. Get medical attention if ill effects develop.

INGESTION: Get medical attention.

INHALATION: Remove to fresh air. Get medical attention if ill effects occur.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: No data as a product.

CHRONIC EFFECTS: Oximes may cause skin sensitization. Overexposure to vapors may cause drowsiness, blood and liver injury, and may irritate eyes, nose and throat.

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SECTION V – FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-flammable (solid)

EXTINGUISHING MEDIA: Use dry chemical powder, carbon dioxide, water fog, or foam.

HAZARDOUS COMBUSTION PRODUCTS: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxides and traces of incompletely burned carbon compounds, Metal oxides, Silicone dioxides, Formaldehyde.

EXPLOSION HAZARDS: None

FIRE FIGHTING PROCEDURES: Do not release runoff from fire control methods to sewers or waterways

FIRE FIGHTING EQUIPMENT: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: carbon oxides and traces of incompletely burned carbon compounds, metal oxides, silicon dioxide, nitrogen oxides, and formaldehyde.

SECTION VI – ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb with dry sand, soil, sawdust, cloth, etc., then place in a sealable container.

LARGE SPILL: Dike and prevent overflow. Guide to a safe place then dispose properly.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow product to flow into rivers or affect the environment

GENERAL PROCEDURES: Extinguish all sources of ignition

RELEASE NOTES: Keep spilled material from entering storm drains, sewers, or other environmental mediums.

SPECIAL PROTECTIVE EQUIPMENT: Wear appropriate personal protection equipment to avoid contact to eyes, skin, and inhalation.

COMMENTS: Disposal of clean-up materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations.

SECTION VII – HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Take precaution against fire.

HANDLING: No special precautions

STORAGE: Keep container closed and away from water or moisture

STORAGE TEMPERATURE: 10°C (50°F) Minimum to 25°C (77°F) Maximum

COMMENTS: 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. Do not mix this product with other cleaning agents.

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SECTION VII I – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Calcium carbonate	TWA		15T 5R	NIC	(10) mg/m ³ (total dust)
Silane, dichloromethyl-,reaction products with silica	TWA		mg/m ³ (total dust)		mg/m ³
	STEL	Not Established		Not Established	
2-Butanone, O, O', O''-(ethenylsilylydyne) trioxime	TWA	[1]	[1]		
Titanium dioxide	TWA		15 T mg/m ³		10 mg/m ³
	STEL	[2]	[2]		
Toluene	TWA	100 ppm		20 ppm	

OSHA TABLE COMMENTS:
 1. Sec: Methyl Ethyl Ketoxime (MEKO) data.
 2. Not Established

ENGINEERING CONTROLS: Provide general or local ventilation systems to maintain airborne concentrations below OSHA PELs. Local ventilation is preferred because contaminant dispersion into the work area by controlling it at its source.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields.

SKIN: Gloves (impervious).

RESPIRATORY: Seek professional advice prior to respiration selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

PROTECTIVE CLOTHING: Wear solvent resistant or other impervious gloves

WORK HYGIENIC PRACTICES: Wash hands before eating, smoking, or using restroom. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
ODOR: Some odor
APPEARANCE: Gray paste
pH: Not applicable

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SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES (CONT)

PERCENT VOLATILE: Not applicable
 FLASHPOINT AND METHOD: Non-flammable
 AUTOIGNITION TEMPERATURE: Not determined
 VAPOR PRESSURE: Negligible (25°C / 77°F)
 VAPOR DENSITY: >1 (Air =1)
 BOILING POINT: Not applicable
 FREEZING POINT: Not determined
 MELTING POINT: Not determined
 SOLUBILITY IN WATER: None
 EVAPORATION RATE: Negligible
 DENSITY: 12.34 lb/gal
 SPECIFIC GRAVITY: 1.48 (Water = 1, at 4°C) at 4°C
 VISCOSITY: Not applicable
 (VOC): < 2.500% EPA Method 24, Weight Loss Determination

SECTION X – STABILITY AND REACTIVITY

STABILITY: Stable at room temperature in closed containers under normal storage and handling conditions.
 POLYMERIZATION: Polymerization will not occur.
 CONDITIONS TO AVOID: Contact with water or moisture until ready for use.
 POSSIBILITY OF HAZARDOUS REACTIONS: Contact with water, moisture, or humid air causes curing and MEKO vapors to form gradually.
 HAZARDOUS DECOMPOSITION PRODUCTS: Product generates MEKO upon contact with water or humid air.
 INCOMPATIBLE MATERIALS: Water and moisture.

SECTION XI – TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Titanium dioxide	6450 rat (mg/kg)		
Toluene	5580 rat (mg/kg)	12198 Rabbit/mg/kg	12500 to 28800 mg/m3 (rat)

ORAL LD₅₀: 4 ml/kg (rat) (MEKO decomposition product)
 INHALATION LC₅₀: > 4.8 mg/l (rat) (MEKO decomposition product)
 NOTES: Rat, inhalation, TC50: >4 ml/l (MEKO decomposed product)
 EYE EFFECTS: No information available
 SKIN EFFECTS: No information available
 CHRONIC: No data as a product

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status
Crystalline silica	1	1
Titanium dioxide		2B

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SECTION XI – TOXICOLOGICAL INFORMATION (CONT)

TERATOGENIC EFFECTS: Unknown
MUTAGENICITY: None known

SECTION XII – ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available
ECOTOXICOLOGICAL INFORMATION: No information available
BIOACCUMULATION/ACCUMULATION: No information available

SECTION XIII – DISPOSAL

DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your licensed waste contractor for detailed recommendations.
PRODUCT DISPOSAL: Extreme All-In-One Silicone is a non-hazardous substance per DOT and EPA.
EMPTY CONTAINER: All containers should be thoroughly emptied before disposal.

SECTION XIV - TRANSPORTATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Non-Hazardous
PRIMARY HAZARD CLASS/DIVISION: None
PACKING GROUP: None
LABEL: Non-Hazardous

SECTION XV – REGULATORY INFORMATION

UNITED STATES
CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION AND LIABILITY ACT)

CHEMICAL NAME	WT%
Toluene	<1

TSCA (TOXIC SUBSTANCE CONTROL ACT)
TSCA REGULATORY: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
TSCA STATUS: All ingredients are in compliance with the TSCA.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:
Not listed.

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SECTION XV – REGULATORY INFORMATION (CONT)

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Calcium carbonate	This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances. This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances.
Crystalline silica	This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances. This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances.
Titanium dioxide	This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances. This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances.
Toluene	This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances. This product contains a component or components listed on the Michigan Critical Materials list. This product contains a component or components listed on the New Jersey Right to Know list of hazardous chemicals. This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances.

CALIFORNIA PROPOSITION 65: WARNING: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. Silica (bound), Titanium dioxide (bound), Toluene

Chemical Name	Wt. %	Listed
Toluene	< 1	• Developmental Toxicity

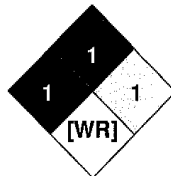
SECTION XVI – OTHER INFORMATION

REVISION SUMMARY: This MSDS replaces the 3/3/2014 MSDS. Revised: **Section 8: PERSONAL PROTECTIVE EQUIPMENT (PROTECTIVE CLOTHING)**.

HMIS RATING

HEALTH	*	1
FLAMMABILITY		1
PHYSICAL HAZARD		1
PERSONAL PROTECTION		B

NFPA CODES



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.