



ND INDUSTRIES, INC. (248) 288-0000 Fax: (248) 288-0022  
 1893 BARRETT ROAD 24 hr. EMERGENCY CHEMTREC:  
 TROY, MICHIGAN 48084 1-800-424-9300

PRODUCT: Vibra-TITE VC-3 Original®  
 MSDS ID: ND1030  
 ORIG. DATE: 6/27/2007  
 REV. DATE: 6/27/07  
 REV. DATE: 10/30/08  
 PREPARED BY: Chemical Safety

**SECTION I -Material Identification and Information H: 2 F: 3 R: 0 PPE:C**

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Acrylic polymer (contains toluene)	VTB-07-409	not assigned	20-25	n.a.	n.a.
Acrylic polymer	VTB-07-08	not assigned	12-18	n.a.	n.a.
Methyl ethyl ketone	78-93-3	62-72	200 ppm	200 ppm	

All ingredients are listed on the TSCA Inventory. n.a. = not applicable / n.e. = not established

**SECTION II -Physical and Chemical Characteristics**

<b>BOILING POINT:</b>	approx. 80°C	<b>VOC #/gal. :</b>	5.838
<b>VAPOR DENSITY:</b>	2.49 air = 1	<b>DENSITY OF COATING:</b>	7.67
<b>VAPOR PRESSURE:</b>	83 mmHg at 75°F		
<b>MELTING POINT:</b>	n.a.		
<b>SPECIFIC GRAVITY:</b>	0.92 water = 1		
<b>EVAPORATION RATE:</b>	6.31		Butyl Acetate
<b>WATER REACTIVE:</b>	n.a.		
<b>SOLUBILITY IN WATER:</b>	16.32% @ 20°C		
<b>APPEARANCE AND ODOR:</b>	Pinkish orange, viscous liquid with non-residual, "solvent-like" odor.		

**SECTION III - Fire and Explosion Hazard Data**

<b>FLASH POINT:</b>	-4°C TCC	-2°C TOC
<b>AUTOIGNITION TEMPERATURE:</b>	approx. 860°F	
<b>FLAMMABILITY LIMITS % IN AIR:</b>	LEL: 1.8% @77°F	UEL: 11.5 % @77°F
<b>EXTINGUISHER MEDIA:</b>	Use water spray, carbon dioxide, dry chemicals and/or foam.	
<b>SPECIAL FIREFIGHTING PROCEDURES:</b>	Wear a MSHA/NIOSH approved self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode when fighting fires.	
<b>UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID:</b>	Vapors will creep along floors, stairs, etc... as well as by air currents. Any spark, open flame or strong heat source will ignite vapors and source. Combustion yields oxides of carbon.	



**PRODUCT: Vibra-TITE VC-3 Original®**

Component	Oral LD50	Dermal LD50	Inhalation LC50
Acrylic polymer	>5000 mg/Kg (rat)	>3000 mg/Kg (rabbit)	not determined
Acrylic polymer	not determined	not determined	not determined
Methyl ethyl ketone	2.9 g/kg (rat)	> 5g/kg (rabbit)	> 5000 ppm (rat)

**SECTION VI - Control and Protective Measures**

**RESPIRATORY PROTECTION:** Work in a well ventilated area. For high concentrations use a NIOSH/MSHA approved respirator to prevent overexposure.

**PROTECTIVE GLOVES:** Use latex gloves for minor contact. For excessive or prolonged contact use rubber or neoprene.

**EYE PROTECTION:** Wear NIOSH approved safety glasses with side shields or chemical splash goggles if contact is likely.

**VENTILATION TO BE USED:** LOCAL EXHAUST: **X** MECHANICAL: SPECIFIC:  
OTHER (specify): Use explosion proof ventilation.

**PROTECTIVE CLOTHING AND EQUIPMENT:** Wear impervious clothing to prevent repeated, prolonged skin contact.

**HYGIENIC WORK PRACTICES:** Practice careful chemical handling and good personal hygiene when working with our product. Wash hands after using product.

**SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures****STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:**

Immediately extinguish all sources of ignition until area is free of explosive hazard. Absorb material on inert filler and place in a sealed container suitable for disposal. Prevent material from entering sewers, watercourses or low areas.

**WASTE DISPOSAL METHODS:** This material when determined to be a waste will be a hazardous waste by characteristic of ignitability (D001) and/or characteristic of toxicity (D035) according to 40CFR, 261 Subpart C.

**SAFE HANDLING AND STORAGE:** Avoid breathing product vapors. Keep product away from all sources of ignition, heat or flame. Keep container closed when not in use. Store material in a cool, dry place.

**OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:**

Containers of this product may be hazardous when emptied, since they contain product residue, observe all precautions.

**RECOMMENDED  
NFPA/HMIS  
RATING**

**HEALTH 2**

**FLAMMABILITY 3**

**REACTIVITY 0**

**PERSONAL  
PROTECTION C**

note: ratings may differ according to application, environment, and physical state.

**PRODUCT: Vibra-TITE VC-3 Original®**

**NOTES:**

DOT Shipping Name:  
Coating solution  
3, UN1139, PGII

WHMIS Identification: Class B, Division 2

VC3

**SECTION 313 SUPPLIER NOTIFICATION**

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This 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 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>% BY WEIGHT</u>
78-93-3	Methyl ethyl ketone	62

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

<u>Material</u>	<u>CAS #</u>	<u>Concentration %</u>	<u>Cancer Agent</u>	<u>Reproductive Toxin</u>	<u>cancer agent &amp; Reproductive Toxin</u>
Toluene	108-88-3	13.5		X	
Benzene	71-43-2	trace	X		
Acrylonitrile	107-13-1	trace		X	

ND Vibra-Tite® is a registered trademark of ND Industries®, Inc. Formula 3™ is a trademark of ND Industries®, Inc. The information contained herein is based on the data available to us and is believed to be correct. However, ND Industries®, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their properties prior to use. Since conditions of use are beyond our control, all risks are assumed by the user.