



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: VC-5 Original® Formula #5  
 MSDS ID: ND2058  
 ORIG. DATE: 11/19/97  
 REV. DATE: 3/8/04  
 REV. DATE: 12/22/08  
 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 copolymer	VTB-07-07	not assigned	20-25	n.a.	n.a.	Non-hazardous
Acrylic polymer	VTB-07-08	not assigned	12-18	n.a.	n.a.	Non-hazardous
Methyl propyl ketone	107-87-9	65-70	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. 101°C	<b>VOC #/gal. :</b>	5.043
<b>VAPOR DENSITY:</b>	2.9 air = 1	<b>DENSITY OF COATING:</b>	
<b>VAPOR PRESSURE:</b>	27.8 mmHg at 68°F		
<b>MELTING POINT:</b>	n.a.		
<b>SPECIFIC GRAVITY:</b>	1.0 water = 1		
<b>EVAPORATION RATE:</b>	2.3		Butyl Acetate
<b>WATER REACTIVE:</b>	n.a.		
<b>SOLUBILITY IN WATER:</b>	Moderate		
<b>APPEARANCE AND ODOR:</b>	Pinkish orange, viscous liquid with non-residual, "solvent-like" odor.		

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

**FLASH POINT:** 8°C TCC  
**AUTOIGNITION TEMPERATURE:** approx. 840°F  
**FLAMMABILITY LIMITS % IN AIR:** LEL: 1.6 @ 93°F UEL: 8.7 @ 144°F  
**EXTINGUISHER MEDIA:** Use water spray, carbon dioxide, dry chemicals and/or alcohol foam.

**SPECIAL FIREFIGHTING PROCEDURES:** 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. Water may be ineffective in fighting the fire.

**UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID:** Vapors may cause flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.



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Component	Oral LD50	Dermal LD50	Inhalation LC50
Acrylic copolymer	>5000 mg/Kg (rat)	>3000 mg/Kg (rabbit)	not determined
Acrylic copolymer	not determined	not determined	not determined
Methyl propyl ketone	3730 mg/kg (rat)	8 ml/kg (rabbit)	>2000 ppm/4 hrs. (rat)

**SECTION VI - Control and Protective Measures**

**RESPIRATORY PROTECTION:** If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: Organic vapor.

**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:  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. Use water spray to disperse vapors and dilute spill to a nonflammable mixture. 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). Discharge, treatment, or disposal may be subject to local, state, and federal regulations.

**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.

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**NOTES:**

DOT Shipping Name:  
Coating solution  
3, UN1139, PGII

**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>
108-10-1	Methyl isobutyl ketone	3.7

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>
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