

MATERIAL SAFETY DATA SHEET



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

PRODUCT: ND Vibra-Tite® Formula #3™
MSDS ID: ND1030
DATE: 8/05/94 Updated 11/3/99
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	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 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

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

SECTION III - Fire and Explosion Hazard Data

FLASH POINT:	-4°C TCC	-2°C TOC
AUTOIGNITION TEMPERATURE:	approx. 860°F	
FLAMMABILITY LIMITS % IN AIR:	LEL: 1.8 @77°F	UEL: 11.5 @77°F
EXTINGUISHER MEDIA:	Use water spray, carbon dioxide, dry chemicals and/or 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.	
UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID:	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.	

MATERIAL SAFETY DATA SHEET

PRODUCT: ND Vibra-Tite® Formula #3™

SECTION IV - Reactivity Hazard Data

STABILITY: stable: **X** unstable:
HAZARDOUS POLYMERIZATION: may occur: will not occur: **X**
CONDITIONS TO AVOID: This material is considered stable. However, avoid all sources of ignition, fire, heat etc...

INCOMPATIBILITY: Avoid contact with the following: acids, amines, bases, oxidizing agents, halogens and molten sulfur.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield acrylic monomers.

SECTION V - Health Hazard Data

PRIMARY ROUTES OF ENTRY: INHALATION: **X** INGESTION: **X** SKIN ABSORPTION: **X**

EYE CONTACT: Can cause severe eye irritation, if not removed promptly. May result in permanent eye damage.

FIRST AID: Flush eyes with generous amounts of water for 15 minutes lifting both upper and lower eyelids occasionally. Get medical attention.

SKIN CONTACT: Prolonged contact may cause moderate skin irritation and dermatitis.

FIRST AID: Thoroughly wash exposed area with soap and water. Remove contaminated clothing including shoes. Launder before reuse. If irritation occurs, seek medical attention.

INHALATION: Vapor concentrations above exposure levels are irritating to the respiratory tract. May cause headaches, dizziness, and are an anesthetic and may have other central nervous system effects.

FIRST AID: Remove individual to fresh air. If breathing has stopped, give artificial respiration. Get medical attention.

INGESTION: Small amounts of this material aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.

FIRST AID: Do NOT induce vomiting. Immediately drink two glasses of water and get medical attention.

CHRONIC EFFECTS: Long term exposure at high concentrations may lead to CNS Depression.

Carcinogenic: Not listed.

MATERIAL SAFETY DATA SHEET

PRODUCT: ND Vibra-Tite® Formula #3™

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	not determined	not determined	not determined

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 sideshields 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 CFR40, 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.

MATERIAL SAFETY DATA SHEET

PRODUCT: ND Vibra-Tite® Formula #3™

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>
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 & Reproductive Toxin</u>
				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.