



MATERIAL SAFETY DATA SHEET



Prepared in accordance with ISO 11014-1/ ANSI standard
Z400.1-2004

Revision Date: 6/15/2011
MSDS No.: ND4114

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: NB139P111C High Temp Copper Silicone

Synonyms: None

Use of the Substance/Preparation: Sealant

Supplier:

ND Industries, Inc.
1893 Barrett Road
Troy, Michigan 48084
Tel: (248) 288-0000
Fax: 248) 288-0022

Emergency Telephone Number: 24 hr. EMERGENCY CHEMTREC
1-800-424-9300

2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW-
WARNING:**

Causes eye and skin irritation. May cause sensitization by skin contact. Breathing vapors may cause drowsiness.

Principle Routes of Exposure:

Eyes, skin, and inhalation.

POTENTIAL HEALTH EFFECTS:

Eye Contact:

Direct contact may cause moderate irritation.

Skin Contact:

May cause moderate irritation. May cause sensitization by skin contact.

Inhalation:

Slight respiratory irritant. Breathing vapors may cause drowsiness.

Ingestion:

Not expected to be a route of entry under normal industrial use conditions. Low ingestion hazard.

Carcinogenic Effects:

No data available.

Target Organ Effects:

Blood and liver.

**Medical Conditions Aggravated by
Exposure:**

No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EINECS Number	Weight %	EU Classification
Methyl tri(ethylmethylketoxime) silane	22984-54-9	245-366-4	3-7	None
Di(ethylmethylketoxime) silane	83817-72-5	280-973-8	1-5	None

4. FIRST AID MEASURES

Skin Contact:	Remove from skin immediately. Flush affected are with water for 15 minutes. If irritation or ill effects develop seek medical attention.
Eye Contact:	Flush eyes immediately with plenty of water for at least 15 minutes. If irritation develops seek medical attention.
Inhalation:	Remove to fresh air. Seek medical attention if ill effects persist.
Ingestion:	Seek immediate medical attention.
Notes to Physician:	Treat according to person's condition and specific of exposure.

5. FIRE AND IGNITION INFORMATION

Flash Point	Not established.
Explosion Limits in Air – Upper (%):	Not established.
Explosion Limits in Air – Lower (%):	Not established.
Auto-ignition Temperature:	Not established.
Extinguishing Media:	Dry chemical, foam, or water spray on large fires. Carbon dioxide, dry chemical, or water spray on small fires. Water may be used to cool fire exposed containers.
Special Protective Equipment for Firefighters:	Fire fighters should wear full protective gear including self contained breathing apparatus.
Specific Hazards: Hazardous Decomposition and/or Combustion Products:	None Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous products. Metal oxides. Carbon oxides and traces of incomplete burned carbon compounds. Nitrogen oxides. Formaldehyde. Silicon dioxide.
Risk of Dust Explosion:	Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Only trained personnel should clean a spill. Clean spills immediately. Even small amounts of product spilled on floor can present a slip hazard. Wear appropriate personal protective equipment.
Methods for Cleaning Up:	Wipe or scrape up spilled product and place in appropriate container for salvage or disposal.
Environmental Precautions:	Do not allow spilled product to enter drains, sewers, rivers or other watercourses.

7. HANDLING AND STORAGE

Handling:	Use with adequate ventilation. Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. If ventilation is inadequate to maintain MEKO exposure below recommended limits provide respiratory protection. Product evolves flammable methyl alcohol when exposed to water or humid air. Avoid skin and eye contact. Avoid breathing vapors. Do not ingest.
Storage:	Store in a cool, dry, well ventilated location away from water or

moisture. Keep container tightly closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Methyl alcohol forms upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines. Methyl Alcohol: OSHA PEL: 200 ppm TWA, and ACGIH TLV – skin: 200 ppm TWA, STEL 250 ppm.

Ethyl methyl ketoxime forms upon contact with water or humid air. Provide adequate ventilation to control exposures within the following exposure guidelines. WEEL: 10 ppm TWA, STEL 10 ppm.

ENGINEERING CONTROLS

Use with adequate local ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn.

Hand Protection: Wear appropriate impervious glove, such as, butyl rubber, nitrile, neoprene, or silver shield.

Eye Protection: Wear appropriate eye protection. Approved safety glasses with side shields as a minimum.

Skin and Body Protection: Wear protective clothing appropriate to the task.

Other: Wash hands after using this product and before eating, drinking, smoking or using the lavatory.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Copper colored paste.
Odor:	Slight.
pH	Not established.
Vapor Pressure:	Not established.
Boiling Point/Range:	Not established.
Melting Point/Range:	Not established.
Water Solubility:	Not established.
Specific Gravity:	Not established.
% Volatile (by Volume):	Not established.
Evaporation Rate:	Not established.
Viscosity:	Not established.
Partition Coefficient (n-octanol/water):	Not established.

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Mechanical Sensitivity (shock):	Not applicable.
Conditions to Avoid:	Avoid contact with water.
Static Discharge Effects:	Not applicable.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Oral LD50:	No data available.
Inhalation LC50:	No data available.

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Dermal LC50: No data available.
Eye Irritation: No data available.
Skin Irritation: No data available.

SUBCHRONIC TOXICITY

No data available.

CHRONIC TOXICITY

Carcinogenic Effects: No data available.
Mutagenic Effects: No data available.
Reproductive Toxicity: No data available.
Sensitizing Effects: No data available.
Synergistic Materials: No data available.

12. ECOLOGICAL INFORMATION

Information given is based on data on the components and the toxicology of similar products.

Aquatic Toxicity: No data available.

ENVIRONMENTAL FATE

Mobility: No data available.
Bioaccumulation: No data available.
Persistence / Degradability: No data available.
Distribution to Environmental Compartments: No data available.

13. DISPOSAL CONSIDERATIONS

Disclaimer: Information in this section pertains to the product as shipped in its intended composition as described in Section 2 of this MSDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

RCRA Classification (40 CFR 261): When determined to be a waste this product is not a hazardous waste. Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORTATION INFORMATION

Not regulated.

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on or exempt from the following inventories:

- (yes) - European Inventory of Existing Commercial Substances (EINECS)
- (yes) - United States Toxic Substances Control Act (TSCA) Inventory

U.S. Federal Regulations

Clean Air Act amendments of 1990 (CAA, Section 11240: CFR 82): None.

Clean Water Act (CWA, 40 CFR 116): None.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, 40 CFR 302): None.

Superfund Amendments and Reauthorization Act, Title III (SARA):
SARA Section 302 (40 CFR 355) Extremely Hazardous Substances: None.

SARA Section 311/312 (40 CFR 370) Hazard Category: Acute and chronic.

SARA Section 313 (40 CFR 372) Toxics Release Inventory: None.

U.S. State Regulations

California Proposition 65: None.

16. OTHER INFORMATION

HMIS Rating

HMIS Index: *- chronic, 0 – Minimal, 1 – slight, 2- moderate, 3 – serious, 4 –severe

Health: *2

Flammability: 1

Physical Hazard: 0

Additional Contacts:

Prepared by:	ND Industries, Inc. – Safety, Health and Environmental Affaires
Revision Date:	6/15/2011
Previous Revision Date:	n/a
Reasons for Revision:	n/a

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