



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 910 Duo Pack Epoxy Part B

MSDS ID: ND3331

ORIG. DATE: 4/3/2006

REV. DATE:

REV. DATE:

PREPARED BY: Chemical Safety

SECTION I -Material Identification and Information **H: 2** **F: 1** **R: 0** **PPE:C**

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Modified Polymercaptan	Proprietary	85-95	n.e.	n.e.	
Amine	Proprietary	5-15	n.e.	n.e.	

All ingredients are listed on the TSCA Inventory.

n.a.= not applicable / n.e.=not established

SECTION II -Physical and Chemical Characteristics

BOILING POINT:	>225°F		VOC #/US gal. :	n.e.
VAPOR DENSITY:	n.e.	air = 1	DENSITY OF COATING:	n.e.
VAPOR PRESSURE:	n.e.			
MELTING POINT:	n.e.			
SPECIFIC GRAVITY:	1.05	water = 1		
EVAPORATION RATE:	n.e.			
WATER REACTIVE:	no			
SOLUBILITY IN WATER:	Moderate			
APPEARANCE AND ODOR:	White paste with mercaptan odor.			

SECTION III - Fire and Explosion Hazard Data

FLASH POINT: >200°F PMCC
AUTOIGNITION TEMPERATURE: n.e.
FLAMMABILITY LIMITS % IN AIR: LEL: n.e. UEL: n.e.
EXTINGUISHER MEDIA: Carbon dioxide, dry chemical, foam, water spray

SPECIAL FIREFIGHTING PROCEDURES: Use positive pressure NIOSH-approved self contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID: Do not breathe fumes. Unidentified fumes and vapors may be toxic.

MATERIAL SAFETY DATA SHEET

PRODUCT: ND 910 Duo Pack Part B

SECTION IV - Reactivity Hazard Data

STABILITY: **stable:** X **unstable:**
HAZARDOUS POLYMERIZATION: **may occur:** **will not occur:** X

CONDITIONS TO AVOID: Excessive heat for prolonged periods of time.

INCOMPATIBILITY: Strong oxidizing agents, strong acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.

SECTION V - Health Hazard Data

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

EYE CONTACT: May cause irritation with temporary redness with stinging and tearing.

FIRST AID: Immediately flush with plenty of water for a minimum of 15 minutes holding eyelids open. Seek medical attention.

SKIN CONTACT: Will cause slight irritation.

FIRST AID: Thoroughly wash exposed area with soap and water. If irritation occurs, get medical attention. Remove and launder contaminated clothing before reuse.

INHALATION: Inhalation of vapors can cause headaches, nausea and irritation of nose, throat and lungs.

FIRST AID: Always work with material in a well-ventilated area. If breathing becomes difficult, remove individual to fresh air and get medical attention.

INGESTION: May be harmful if ingested.

FIRST AID: Do NOT induce vomiting. Keep individual calm. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.

CHRONIC EFFECTS: Vapors are extremely irritating to skin, eyes and respiratory tract. Moderate toxicity on ingestion; may cause burns of mouth and throat. Repeated or prolonged exposure to skin may be harmful, cause chemical burns or may develop allergic reaction. Prolonged eye exposure may cause permanent damage.

Carcinogenic: No

MATERIAL SAFETY DATA SHEET

PRODUCT: ND 910 Duo Pack Part B

Component	Oral LD50	Dermal LD50	Inhalation LC50
Modified Polymercaptan	Not determined	Not determined	
Amine	Not determined	Not determined	

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: In areas with poor ventilation an organic vapor respirator shall be used when vapor/mist exposure is likely.

PROTECTIVE GLOVES: Use rubber gloves.

EYE PROTECTION: Safety glasses/goggles with side shields.

VENTILATION TO BE USED: **LOCAL EXHAUST:** X **MECHANICAL:** **SPECIFIC:**
OTHER (specify):

PROTECTIVE CLOTHING AND EQUIPMENT: Impervious clothing and shoes to minimize personal contact. Eye wash station/safety shower.

HYGIENIC WORK PRACTICES: Avoid contact with eyes or skin. Practice proper chemical handling when using product and always 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:

Avoid contact skin, eyes or clothing. Wipe with a cloth or collect on absorbent material. For large spills, dike and contain. Pump or shovel into salvage containers for disposal.

WASTE DISPOSAL METHODS: Dispose of according to state, federal and local laws.

SAFE HANDLING AND STORAGE: Store in cool, dry place away from open flames and high temperatures. Do not store near epoxy resin.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

Empty containers may contain product residues and should be disposed of properly.

**RECOMMENDED
NFPA/HMIS
RATING**

HEALTH 2

FLAMMABILITY 1

REACTIVITY 0

**PERSONAL C
PROTECTION**

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

MATERIAL SAFETY DATA SHEET

PRODUCT: ND 910 Duo Pack Part B

NOTES:

DOT proper shipping name: Not regulated.

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>
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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>%</u>	<u>Cancer</u> <u>Agent</u>	<u>Reproductive</u> <u>Toxin</u>	<u>cancer</u> <u>agent</u> & <u>Reproductive</u> <u>Toxin</u>
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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.



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TROY, MICHIGAN 48084
(248) 288-0000 Fax: (248) 288-0022
24 hr. EMERGENCY CHEMTREC:
1-800-424-9300

PRODUCT: ND 910 Duo Pack Epoxy Part A

MSDS ID: ND3330

ORIG. DATE: 4/3/2006

REV. DATE:

REV. DATE:

PREPARED BY: Chemical Safety

SECTION I -Material Identification and Information

H: 2

F: 1

R: 0

PPE:C

COMPONENTS

CAS #

PERCENT
%

OSHA
PEL

ACGIH
TLV

OTHER LIMITS
RECOMMENDED

Epoxy Resin

Proprietary

100

n.e.

n.e.

All ingredients are listed on the TSCA Inventory.

n.a.= not applicable / n.e.=not established

SECTION II -Physical and Chemical Characteristics

BOILING POINT: >225°F

VAPOR DENSITY: n.e. air = 1

VAPOR PRESSURE: n.e.

MELTING POINT: n.e.

SPECIFIC GRAVITY: 1.15 water = 1

EVAPORATION RATE: n.e.

WATER REACTIVE: no

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Green paste with no odor

VOC #/US gal. : n.e.

DENSITY OF COATING: n.e.

SECTION III - Fire and Explosion Hazard Data

FLASH POINT: >200°F PMCC

AUTOIGNITION TEMPERATURE: n.e.

FLAMMABILITY LIMITS % IN AIR: LEL: n.e. UEL: n.e.

EXTINGUISHER MEDIA: Carbon dioxide, dry chemical, foam, water spray

SPECIAL FIREFIGHTING PROCEDURES:

Do not enter confined fire space with out full bunker gear. Use positive pressure NIOSH-approved self contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID:

Do not breathe fumes. Unidentified fumes and vapors may be toxic.

MATERIAL SAFETY DATA SHEET

PRODUCT: ND 910 Duo Pack Part A

SECTION IV - Reactivity Hazard Data

STABILITY: **stable:** X

unstable:

HAZARDOUS POLYMERIZATION:

may occur:

will not occur: X

CONDITIONS TO AVOID: Excessive heat for prolonged periods of time. Large mixtures in bulk - curing process is exothermic.

INCOMPATIBILITY: Strong oxidizing agents, strong acids and bases.

**HAZARDOUS
DECOMPOSITION
PRODUCTS:**

Oxides of carbon and nitrogen.

SECTION V - Health Hazard Data

PRIMARY ROUTES OF ENTRY:

INHALATION: X

INGESTION: X

SKIN ABSORPTION: X

EYE CONTACT: May cause irritation with temporary redness with stinging and tearing.

FIRST AID: Immediately flush with plenty of water for a minimum of 15 minutes holding eyelids open. Seek medical attention.

**SKIN
CONTACT:**

Will cause slight irritation.

FIRST AID:

Thoroughly wash exposed area with soap and water. If irritation occurs, get medical attention. Remove and launder contaminated clothing before reuse.

INHALATION:

Inhalation of vapors can cause headaches, nausea and irritation of nose, throat and lungs.

FIRST AID:

Always work with material in a well-ventilated area. If breathing becomes difficult, remove individual to fresh air and get medical attention.

INGESTION:

May be harmful if ingested.

FIRST AID:

Do NOT induce vomiting. Keep individual calm. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.

**CHRONIC
EFFECTS:**

Pre-existing skin and eye disorders may be aggravated. May be absorbed through this skin in toxic amounts.

Carcinogenic: No

MATERIAL SAFETY DATA SHEET

PRODUCT: ND 910 Duo Pack Part A

Component	Oral LD50	Dermal LD50	Inhalation LC50
Epoxy Resin	Not determined	Not determined	

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: In areas with poor ventilation an organic vapor respirator shall be used when vapor/mist exposure is likely.

PROTECTIVE GLOVES: Use rubber or latex.

EYE PROTECTION: Safety glasses/goggles with side shields.

VENTILATION TO BE USED: **LOCAL EXHAUST:** X **MECHANICAL:** **SPECIFIC:**
OTHER (specify):

PROTECTIVE CLOTHING AND EQUIPMENT: Impervious clothing and shoes to minimize personal contact. Eye wash station/safety shower.

HYGIENIC WORK PRACTICES: Avoid contact with eyes or skin. Practice proper chemical handling when using product and always 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:

Avoid contact with liquid and vapors. Wipe with a cloth or collect on absorbent material. For large spills, dike and contain. Pump or shovel into salvage containers for disposal.

WASTE DISPOSAL METHODS: Based on our knowledge of the product, its raw materials and processes employed during its manufacture, we believe it is unlikely that this product is a hazardous waste for Federal RCRA purposes. We recommend that you carry out your own tests and evaluations prior to discarding any materials. Dispose of according to state, federal and local laws.

SAFE HANDLING AND STORAGE: Store in cool, dry place away from open flames and high temperatures.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

Empty containers may contain product residues and should be disposed of properly.

**RECOMMENDED
NFPA/HMIS
RATING**

HEALTH 2

FLAMMABILITY 1

REACTIVITY 0

**PERSONAL C
PROTECTION**

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

MATERIAL SAFETY DATA SHEET

PRODUCT: ND 910 Duo Pack Part A

NOTES:

DOT proper shipping name: Not regulated.

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