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PRODUCT: ND 921A Structural Adhesive
MSDS ID: ND3543
ORIG. DATE: 10/30/08
REV. DATE:
REV. DATE:

PREPARED BY: Chemical Safety

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

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Epoxy Resin	25068-38-6	20-30	n.e.	n.e.	
Epoxy Resin Mixture	Not Assigned	70-80	n.e.	n.e.	
Pigment Dispersion	Not Assigned	<1	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: n.a. **VOC #/gal. :** n.a.
VAPOR DENSITY: n.a. air = 1
VAPOR PRESSURE: n.a. **DENSITY OF COATING:**
MELTING POINT: n.a.
SPECIFIC GRAVITY: 1.13 water = 1
EVAPORATION RATE: n.a.
WATER REACTIVE: No
SOLUBILITY IN WATER: Negligible
APPEARANCE AND ODOR: Black viscous liquid with slight epoxy odor.

SECTION III - Fire and Explosion Hazard Data

FLASH POINT: >400 °F
AUTOIGNITION TEMPERATURE: n.e.
FLAMMABILITY LIMITS % IN AIR: LEL: n.e. UEL: n.e.
EXTINGUISHER MEDIA: Dry Chemical, Foam, Carbon Dioxide, Water Spray

SPECIAL FIREFIGHTING PROCEDURES: Fire fighters should control run-off water to prevent environmental contamination. Avoid scattering burning material. Move fire exposed containers if safe to do so. Cool fire exposed containers with water. Structural firefighters should wear self contained breathing apparatus and full protective equipment.

UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID: This material poses a slight fire hazard at elevated temperatures.

MATERIAL SAFETY DATA SHEET

PRODUCT: ND 921A Structural Adhesive

SECTION IV - Reactivity Hazard Data

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

CONDITIONS TO AVOID: Exposure to extreme temperatures.

INCOMPATIBILITY: Oxidizing materials, Lewis or mineral acids, mineral and organic bases, amines. Avoid unintended contact with water, especially if material is molten as this can cause violent reactions and splatter hot material or ignite other nearby materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, phenolics, and various polymer compounds.

SECTION V - Health Hazard Data

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

EYE CONTACT: May cause mild irritation, pain, reddening, and watering. Abrasion to eye tissue may occur and irritation may be delayed by several hours. Contact with heated material can cause thermal burns.

FIRST AID: Flush eyes with water for a minimum of 15 minutes, opening top and bottom eye lids. Get medical attention.

SKIN CONTACT: Prolonged skin contact may cause dermatitis, inflammation, and reddening. This product may cause dermal sensitization and allergic skin reaction in susceptible individuals. Symptoms may include redness, itching, and rash.

FIRST AID: Wash thoroughly with soap and water for 15 minutes. If symptoms develop or persist, get medical attention.

INHALATION: Inhalation of mists or sprays from this product if heated may irritate the respiratory system. Symptoms include coughing and sneezing. This product may cause allergic respiratory reaction that resembles asthma.

FIRST AID: Remove victim to fresh air. If symptoms develop or persist get medical attention.

INGESTION: Ingestion is not anticipated to be a likely route of entry. If large amounts of this product are swallowed, mouth, throat, and esophagus irritation, and other digestive system irritation may occur.

FIRST AID: Do not induce vomiting. Call physician or poison control center for most current information.

CHRONIC EFFECTS: Repeated skin contact may result in dermatitis. Inhalation and skin contact may result in sensitization and allergic reaction in susceptible individuals.

Carcinogenic: No

MATERIAL SAFETY DATA SHEET

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Epoxy Resin	>2000 mg/kg	>2000 mg/kg	n.e.
Epoxy Resin Mixture	n.e.	n.e.	n.e.
Pigment Dispersion	n.e.	n.e.	n.e.

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: None needed under normal circumstance of use.

PROTECTIVE GLOVES: Use Ethyl Vinyl Alcohol, Butyl Rubber, Nitrile gloves when handling this product.

EYE PROTECTION: Safety glasses with side shields, or splash goggles if operations can generate mists or sprays.

VENTILATION TO BE USED: LOCAL EXHAUST: MECHANICAL: SPECIFIC: OTHER (specify): Ensure eyewash/shower stations are available near areas where this product is used.

PROTECTIVE CLOTHING AND EQUIPMENT: Use body protection appropriate to task.

HYGIENIC WORK PRACTICES: Wash hands thoroughly after using this product.

SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Small releases can be cleaned using a damp sponge or poly pad. Avoid skin contact. Wear gloves. Large spills should be cleaned by appropriately trained personnel, using appropriate protective equipment. Keep untrained personnel away from spill areas. Use inert absorbent material. Clean spill area with soap and water. Final rinse with water. Place spill residue in appropriate container.

WASTE DISPOSAL METHODS: Dispose of in accordance with all local, state, and federal regulations.

SAFE HANDLING AND STORAGE: Store this product in a cool dry place, away from direct sunlight, or sources of intense heat. Keep containers closed when not in use.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

RECOMMENDED NFPA/HMIS RATING

HEALTH *2

FLAMMABILITY 1

REACTIVITY 0

PERSONAL PROTECTION

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

MATERIAL SAFETY DATA SHEET

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NOTES:

Proper shipping name:
Not Regulated

190921A

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>
	None	

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>
1,3-Butadiene					
Acrylonitrile					
Epichlorohydrin					

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