



ND INDUSTRIES, INC.
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24 hr. EMERGENCY CHEMTREC:
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PRODUCT: ND ST-3®

MSDS ID: ND3254

ORIG. DATE: 8/26/2004

REV. DATE: 1/30/06

REV. DATE: 12/18/08

PREPARED BY: Chemical Safety

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

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	
Acrylic prepolymer	ST-07-40	Non haz.	40-45	n.a.	n.a.	Non hazardous
Acrylic copolymer	ST-07-41	Non haz.	1-5	n.a.	n.a.	Non hazardous
Mica	ST-07-87	1318-94-1	15-20	20 mppcf	3 mg/m3	
Polyolefin resin	ST-07-121	9002-88-4	15-20	none	none	
Fluoropolymer resin	ST-07-120	9002-84-0	10-15	n.e.	n.e.	
Titanium dioxide	ST-07-62	1309-37-1	2-5	10 ppm	5 mg/m3	

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.

VAPOR DENSITY: n.a. air = 1

VAPOR PRESSURE: n.a.

MELTING POINT: n.a.

SPECIFIC GRAVITY: 1.05-1.2 water = 1

EVAPORATION RATE: n.a.

WATER REACTIVE: No

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Solid with no odor. Color varies.

VOC #/US gal. :

DENSITY OF COATING:

SECTION III - Fire and Explosion Hazard Data

FLASH POINT: n.a. n.a.

AUTOIGNITION TEMPERATURE: n.a.

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

EXTINGUISHER MEDIA: Use water, foam, CO2 or dry chemical.

SPECIAL FIREFIGHTING PROCEDURES: Use a NIOSH approved self-contained breathing apparatus operated in pressure-demand or other positive pressure mode when fighting fires.

UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID: None.

MATERIAL SAFETY DATA SHEET

PRODUCT: ND ST-3®

SECTION IV - Reactivity Hazard Data

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

CONDITIONS TO AVOID: None.

INCOMPATIBILITY: None.

HAZARDOUS DECOMPOSITION PRODUCTS: Product yields oxides of carbon, nitrogen and other polymer hydrocarbons upon combustion including possible HF (in air).

SECTION V - Health Hazard Data

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

EYE CONTACT: May cause slight mechanical irritation of the eyes, not a likely route of exposure.

FIRST AID: Remove mechanical irritation and flush eyes generous amounts of water lifting both upper and lower eyelids occasionally. Seek medical attention if irritation persists.

SKIN CONTACT: Not a likely route of exposure.

FIRST AID: If skin should come in contact with dried material then it would be good chemical hygiene to thoroughly wash exposed area with soap and water. If irritation occurs, get medical attention.

INHALATION: Not a likely route of exposure.

FIRST AID: Always work with material in a well-ventilated area.

INGESTION: Not a likely route of exposure. If ingested, the material may cause minor irritation and disturbance of the gastric system.

FIRST AID: Drink two glasses of water. Get medical attention.

CHRONIC EFFECTS: None.

Carcinogenic: Not listed.

MATERIAL SAFETY DATA SHEET

PRODUCT: ND ST-3®

Component	Oral LD50	Dermal LD50	Inhalation LC50
Acrylic prepolymer	>5000 mg/kg Rat	>5000 mg/kg Rabbit	not established
Acrylic copolymer	>5000 mg/kg Rat	>5000 mg/kg Rabbit	not established
Mica	not established	not established	not established
Polyolefin	not established	not established	not established
Fluoropolymer resin	not established	not established	not established
Titanium dioxide	>24000 mg/kg Rat	>10000 mg/kg Rabbit	6.92 mg/l/4 hr. Rat

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: Use only in well-ventilated areas.

PROTECTIVE GLOVES: Use latex gloves to prevent any unnecessary skin exposure.

EYE PROTECTION: Safety glasses.

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

PROTECTIVE CLOTHING AND EQUIPMENT: None required.

HYGIENIC WORK PRACTICES: Practice proper chemical hygiene 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:

Sweep up material, collect and dispose of properly.

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

SAFE HANDLING AND STORAGE: Material should be stored in a cool, dry area.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

RECOMMENDED NFPA/HMIS RATING

HEALTH 0

FLAMMABILITY 0

REACTIVITY 0

PERSONAL PROTECTION C

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

MATERIAL SAFETY DATA SHEET

PRODUCT: ND ST-3®

NOTES:

DOT 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 no chemical above *de minimis* levels that is subject to Toxic Chemical Release Reporting under section 313.

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>
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