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24 hr. EMERGENCY CHEMTREC:
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PRODUCT: ND SC10-07

MSDS ID: ND3086

ORIG. DATE: 05/20/2002

REV. DATE: 6/3/04

REV. DATE: 4/7/10

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
Water		7732-18-5	30-40	n.a.	n.a.	
Polyurethane dispersion	CRM0197	Trade secret	30-40	n.e.	n.e.	
Talc	CRM0200	Trade secret	10-20	2 ppm	2 ppm	
Synthetic prepolymer resin	CRM0142	non-haz	1-5	n.e.	n.e.	
Polytetrafluoroethylene	CRM0145	9002-84-0	1-5	n.e.	n.e.	
2-Butoxyethanol	CRM0017	111-76-2	1-5	25 ppm	25 ppm	
Latent catalyst	CRM0141	Trade secret	1-5	n.e.	n.e.	
Graphite	CRM0048	Trade secret	1-5	5.0 mg/m ³	2.0 mg/m ³	As dust
Resin based aqueous dispersion	CRM0190	Trade secret	1-5	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:	>212°F	VOC :
VAPOR DENSITY:	>1 air = 1	DENSITY OF COATING:
VAPOR PRESSURE:	Not available	
MELTING POINT:	n.a.	
SPECIFIC GRAVITY:	1.12 water = 1	
EVAPORATION RATE:	<1	n-butyl acetate = 1
WATER REACTIVE:	No	
SOLUBILITY IN WATER:	Miscible	
APPEARANCE AND ODOR:	Low viscosity black liquid with musty odor.	

SECTION III - Fire and Explosion Hazard Data

FLASH POINT: >200°F

AUTOIGNITION TEMPERATURE: not available

FLAMMABILITY LIMITS % IN AIR: LEL: not available UEL: not available

EXTINGUISHER MEDIA: Use extinguishing media proper to primary cause of fire.

**SPECIAL
FIREFIGHTING
PROCEDURES:**

Wear NIOSH approved self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode when fighting fires. Cool fire exposed containers.

**UNUSUAL FIRE
HAZARDS AND
CONDITIONS TO
AVOID:**

PTFE begins to decompose slowly at temperatures above 500°F. This process is accelerated at temperatures above 750°F and is not recommended. Heating to these temperatures will result in the release of fluorocarbon gasses, primarily tetrafluoroethylene, which is acutely toxic and may be harmful or fatal.

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SECTION IV - Reactivity Hazard Data

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

CONDITIONS TO AVOID: Excessive heat sources.

INCOMPATIBILITY: Strong oxidizing agents, acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon, oxides of nitrogen, aldehydes and acids. With extreme heat fluorocarbon gasses, primarily tetrafluoroethylene may be released.

SECTION V - Health Hazard Data

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

EYE CONTACT: Causes eye irritation.

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

SKIN CONTACT: Causes skin irritation. May be harmful by skin contact.

FIRST AID: Wash affected are with plenty of soap and water. Rinse with water for at least 15 minutes. If irritation develops sekk medical attention. Remove and launder contaminated clothing before reuse.

INHALATION: Product may cause irritation of the nose, throat and respiratory tract. May be a respiratory tract sensitizer. May be harmful if inhaled. May produce damage to red blood cells.

FIRST AID: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention

INGESTION: Not expected to be a route of entry under normal industrial use conditions. May be harmful if swallowed.

FIRST AID: Do not induce vomiting unless directed by a medical professional to do so. Seek immediate medical attention.

CHRONIC EFFECTS: No data available on product itself.

Carcinogenic: No data available on product itself.

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Water	not applicable	not applicable	not applicable
Synthetic prepolymer resin	not determined	not determined	not determined
Polytetrafluoroethylene	not determined	not determined	not determined
2-Butoxyethanol	1746 mg/kg (rat)	435 mg/kg (rabbit)	700 ppm/7 hr (mouse)
Latent catalyst	not determined	not determined	not determined
Polyurethane dispersion	not determined	not determined	not determined
Talc	not determined	not determined	not determined
Graphite	not determined	not determined	not determined
Resin based aqueous dispersion	not determined	not determined	not determined

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: Should not be required if concentrations are kept below exposure levels by engineering controls. Use process enclosures or local exhaust ventilation. If levels are exceeded respirators should be used and a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.

PROTECTIVE GLOVES: Chemical resistant gloves must be worn to prevent skin contact.

EYE PROTECTION: Due to low surface tension material splashes easily. Wear safety goggles.

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

PROTECTIVE CLOTHING AND EQUIPMENT: Protective clothing should be used to prevent skin contact. Eye wash fountains and safety showers should be available for emergency use.

HYGIENIC WORK PRACTICES: Wash with soap and water before eating, drinking, smoking, applying cosmetics or using the lavatory. Launder contaminated clothing before reuse. Air-dry contaminated clothing in a well ventilated area before laundering. Do not reuse contaminated protective clothing.

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

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Only trained personnel should clean a spill. Wear adequate personal protective clothing and equipment. Material should be taken up with absorbents and placed in an appropriate container for disposal.

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

SAFE HANDLING AND STORAGE: Store in a cool dry place with adequate ventilation. Containers of material should be kept closed to retain the application properties of the product.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

None known.

**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 SC10-07

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>
111-76-2	2-Butoxyethanol (Glycol ether category)	3.4
872-50-4	N-Methyl-2-pyrrolidone	5

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</u> & <u>Reproductive Toxin</u>
N-methyl-2-pyrrolidone				X	

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.