



ND INDUSTRIES, INC. (248) 288-0000 Fax: (248) 288-0022
 1893 BARRETT ROAD 24 hr. EMERGENCY CHEMTREC:
 TROY, MICHIGAN 48084 1-800-424-9300

PRODUCT: ND Drivegrip®
 MSDS ID: ND1045
 ORIG. DATE: 5/1/93
 REV. DATE: 5/7/04
 REV. DATE: 6/27/07

PREPARED BY: Chemical Safety

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

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Water	7732-18-5	40-50	n.a.	n.a.	Non-hazardous
Mineral Filler (Inert)	DG-12-134 409-21-2	20-30	15 mg/m3	10 mg/m3	(Total Dust)
Polysaccharide	DG-12-42 11138-66-2	1- 5	n.a.	n.a.	Non-hazardous
PVOH solution	25213-25-5	10-20	n.e.	n.e.	

*The remaining components of this product are not considered hazardous substances or are below reportable levels under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

All ingredients are listed on the TSCA Inventory.

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

SECTION II -Physical and Chemical Characteristics

BOILING POINT:	100°C	VOC #/gal. :	
VAPOR DENSITY:	n.a. air = 1	DENSITY OF COATING:	
VAPOR PRESSURE:	17 mmHg (water)		
MELTING POINT:	n.a.		
SPECIFIC GRAVITY:	1.2 water = 1		
EVAPORATION RATE:	< 1.0		
WATER REACTIVE:	No.		
SOLUBILITY IN WATER:	30-35% insoluble		
APPEARANCE AND ODOR:	Dark gray gel. Mild musty odor.		

SECTION III - Fire and Explosion Hazard Data

FLASH POINT:	n.a.		
AUTOIGNITION TEMPERATURE:	n.a.		
FLAMMABILITY LIMITS % IN AIR:	LEL: n.a.	UEL: n.a.	
EXTINGUISHER MEDIA:	n.a. - will not support combustion.		
SPECIAL FIREFIGHTING PROCEDURES:	n.a.		
UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID:	n.a.		

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SECTION IV - Reactivity Hazard Data

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

CONDITIONS TO AVOID: Avoid exposure of product to freezing temperatures.

INCOMPATIBILITY: n.a.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

SECTION V - Health Hazard Data

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

EYE CONTACT: Mild chemical irritant and severe mechanical irritant.

FIRST AID: Flush eyes with generous amounts of water for 15 minutes, lifting both upper and lower eyelids occasionally. Get medical attention. Very abrasive.

SKIN CONTACT: Not a major route of exposure

FIRST AID: Wash with soap and water. If irritation persists, get medical attention.

INHALATION: Inhalation of vapor not a source of exposure. Inhalation of dried material may cause irritation in some individuals.

FIRST AID: Remove individual to fresh air. Give oxygen if necessary. If difficulty in breathing develops, get medical attention immediately.

INGESTION: May cause loose stools/diarrhea if large amounts are ingested. Larger quantities (>1 oz.) should be recovered from the stomach by aspiration.

FIRST AID: If large quantities are ingested immediately drink two glasses of water. Get medical attention.

CHRONIC EFFECTS: Long term inhalation of dust from dry product may affect breathing capacity.

Carcinogenic: Not listed.

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Water	not applicable	not applicable	not applicable
Mineral Filler (Inert)	not determined	not determined	not determined
Polysaccharide	>5000 mg/Kg Rat	not determined	Dust >21 mg/L Rat
PVOH solution	not determined	not determined	not determined

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: When exposure to large quantities of dried material in dust form is possible wear OSHA approved dust mask. See OSHA 29 CFR 1910.94

PROTECTIVE GLOVES: Not necessary, unless sensitive to abrasion.

EYE PROTECTION: Wear OSHA approved safety glasses with sideshields

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

PROTECTIVE CLOTHING AND EQUIPMENT: None required.

HYGIENIC WORK PRACTICES: Practice good personal hygiene. Wash hands before eating or using restroom.

SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:**

Mop up material or absorb with inert filler. Material will clean up with water.

WASTE DISPOSAL METHODS: Dispose of material in accordance with local, state and federal regulations. Material is not a hazardous waste CFR 40 261 Subpart C when determined to be a solid waste according to CFR 40 261 Subpart A

SAFE HANDLING AND STORAGE: If material is stored for over six months, settling may occur. Avoid product freezing. Keep material in a sealed container when not in use.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:
n.a.

RECOMMENDED NFPA/HMIS RATING

HEALTH 1

FLAMMABILITY 0

REACTIVITY 0

PERSONAL PROTECTION C

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

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NOTES:

DOT Proper Shipping Name:
not regulated by any means of transport

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>
None					

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