

# MATERIAL SAFETY DATA SHEET



## MacDermid

INCORPORATED

245 FREIGHT ST. • WATERBURY, CT 06702 • (203) 575-5700

PRODUCT

ND-17

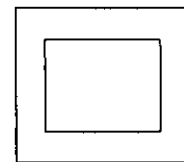
PRODUCT  
CODE

10066

PRODUCT CODE MUST ACCOMPANY ALL INQUIRIES REGARDING THIS PRODUCT



0



Health Flammability Reactivity Other

Issue Date: 7/20/1994

Page: 1

Revised Date: 9/20/1994

24 HR. EMERGENCY NUMBER: CHEMTREC (800) 424-9300

## SECTION 1

## PRODUCT IDENTIFICATION

TRADE NAME: ND-17

CHEMICAL FAMILY: INORGANIC /ORGANIC MIXTURE

FORMULA: Proprietary Mixture

HMIS RATING: 1 HEALTH 0 FLAMMABILITY 0 REACTIVITY OTHER  
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

## SECTION 2

## HAZARDOUS INGREDIENTS

MacDermid Inc. has concluded that there are no chemical ingredients in this product which are considered hazardous.

INGREDIENT(S)	CAS #	BY WEIGHT %
Not Applicable	---	- 100

## SECTION 3

## PHYSICAL DATA

DENSITY:	9.010 LB/GL	FORM:	Liquid
SPECIFIC GRAVITY:	1.080	pH:	12.80
FREEZING POINT:	NOT DETERMINED	FLASH POINT:	NOT DETERMINED
VAPOR PRESSURE:	NOT DETERMINED	VOLATILE %:	NOT DETERMINED
CHEMICAL OXYGEN DEMAND (COD):	NOT DETERMINED		
SOLUBILITY IN WATER:	Complete Solubility		
COLOR / ODOR:	Blue Mild		

NOTE: These physical properties are typical values for this product

## SECTION 4

## FIRE AND EXPLOSION DATA

FLASH POINT: NOT DETERMINED

### EXTINGUISHING MEDIA:

NEVER allow run-off to enter sewers or waterways.  
Waterspray; carbon dioxide; dry chemical; foam; halon  
As appropriate for surrounding material

### UNUSUAL FIRE & EXPLOSION HAZARDS:

Wear self-contained breathing apparatus/protective clothing

# MacDermid Incorporated

245 FREIGHT STREET - WATERBURY, CT06702 - TELEPHONE (203)575-5700 - TELEX 4436011 - FAX 203-575-5630

## MATERIAL SAFETY DATA SHEET

Product: ND-17

Issue Date: 7/20/1994

Page: 2

Product Code: 10066

Revised Date: 9/20/1994

24 Hour Emergency Number: CHEMTREC (1-800-424-9300)

---

### SECTION 4 FIRE AND EXPLOSION DATA (Continued)

---

Fight fire from remote locations

---

### SECTION 5 FIRST AID DATA

---

Contact a physician in all cases of exposure. First aiders should provide for their own safety prior to rendering assistance

#### EYES:

Flush with water for 30 minutes  
Contact physician immediately

#### SKIN:

If contacted wash the skin with water for 15 minutes.  
Contact physician

#### INGESTION:

If ingested rinse the mouth and throat liberally with water  
Contact physician immediately; do not move victim

#### INHALATION:

Remove the victim to cool uncontaminated area  
Monitor the patient for respiratory distress

**CAUTION:** If unconscious-having trouble breathing-or in convulsions  
do not induce vomiting or give water.

Always clean contaminated clothing and gear prior to reuse.  
NEVER administer anything to an unconscious person.

---

### SECTION 6 HEALTH EFFECTS DATA

---

Primary Route(s) of Exposure: Eye, Skin, Inhalation, and Ingestion

#### EYE CONTACT (ACUTE):

Chemical irritation follows initial mechanical irritation  
Weak and mild eye irritant

#### EYE CONTACT (CHRONIC):

May cause more damage to people with opthomological problems.

#### SKIN CONTACT (ACUTE):

Itching sensation will occur

#### SKIN CONTACT (CHRONIC):

Prolonged or repeated contact may cause irritation

# MacDermid Incorporated

245 FREIGHT STREET - WATERBURY, CT06702 - TELEPHONE (203)575-5700 - TELEX 4438011 - FAX 203-575-5830

## MATERIAL SAFETY DATA SHEET

Product: ND-17

Issue Date: 7/20/1994

Page: 3

Product Code: 10066

Revised Date: 9/20/1994

24 Hour Emergency Number: CHEMIREC (1-800-424-9300)

---

SECTION 6	HEALTH EFFECTS DATA	(Continued)
-----------	---------------------	-------------

---

### INGESTION (ACUTE):

Irritation and burning sensation of lips/mouth and throat  
Headache and general weakness may occur

### INHALATION (ACUTE):

Mild irritation to respiratory system  
Irritation of mucous membrane of nose/mouth/throat may occur

### INHALATION (CHRONIC):

May result in fatigue

---

SECTION 7	PERSONAL PROTECTIVE DATA
-----------	--------------------------

---

### RESPIRATORY PROTECTION:

If there is a value for OSHA-PEL/ACGIH-TLV in section 13 and it is exceeded, it is recommended that a NIOSH approved respirator be used. Consult with your Industrial Hygienist for appropriate cartridge selection and use.

For Large spills, entry into large tanks, vessels or enclosed small spaces with inadequate ventilation, a pressure demand, self contained breathing apparatus is recommended.

### VENTILATION:

General ventilation is recommended. Additionally, local exhaust ventilation is recommended where vapors, dusts, mists or aerosols may be released.

### PROTECTIVE EQUIPMENT:

Safety glasses and/or splash proof goggles, face shields and the availability of an eye wash is recommended.  
Chemical aprons; Boots and Gloves, the availability of a safety shower is recommended. If clothing is contaminated remove clothing and thoroughly wash the affected body area.  
Launder contaminated clothing before reuse.

Consult with your Safety Professional/Industrial Hygienists for specific information regarding applications at your facility.

---

SECTION 8	TOXICOLOGY DATA
-----------	-----------------

---

### TOXICITY STUDIES:

Toxicity studies have not been conducted on this product. However, toxicity literature surveys have been conducted on the ingredient(s) in Section 2. The results are as follows:

# MacDermid Incorporated

245 FREIGHT STREET - WATERBURY, CT06702 - TELEPHONE (203)575-5700 - TELEX 4436011 - FAX 203-575-5830

## MATERIAL SAFETY DATA SHEET

Product: ND-17

Issue Date: 7/20/1994

Page: 4

Product Code: 10066

Revised Date: 9/20/1994

24 Hour Emergency Number: CHEMTREC (1-800-424-9300)

### SECTION 8

### TOXICOLOGY DATA

(Continued)

#### ACUTE ORAL TOXICITY:

Unknown

#### ACUTE DERMAL TOXICITY:

Unknown

#### ACUTE RESPIRATORY TOXICITY:

Unknown

#### TOXICITY HAZARD REVIEW (THR):

Unknown

Listed as suspected carcinogen by: IARC: NO NTP: NO OSHA: NO

### SECTION 9

### REACTIVITY DATA

#### INCOMPATIBILITY:

Acids

#### HAZARD DECOMPOSITION PRODUCTS:

carbon monoxide and carbon dioxide from burning.

#### STABILITY:

Stable

#### CONDITIONS TO AVOID:

Unknown

#### HAZARDOUS POLYMERIZATION:

No Hazardous Polymerization.

### SECTION 10

### SPILLS & DISPOSAL DATA

In case of Transportation Accidents, call the following 24 hour telephone number: CHEMTREC (1-800-424-9300)

#### SPILL CONTROL AND RECOVERY:

Soak up into inert adsorbent material, DO NOT use sawdust.  
Collect for disposal in plastic recovery drum. Flush residue with plenty of water to chemical drain.

# MacDermid Incorporated

245 FREIGHT STREET - WATERBURY, CT06702 - TELEPHONE (203)575-5700 - TELEX 4436011 - FAX 203-575-5630

## MATERIAL SAFETY DATA SHEET

Product: ND-17

Issue Date: 7/20/1994

Page: 5

Product Code: 10066

Revised Date: 9/20/1994

24 Hour Emergency Number: CHEMTREC (1-800-424-9300)

### SECTION 10 SPILLS & DISPOSAL DATA (Continued)

#### DISPOSAL:

Dilute with large amounts of water and neutralize with dilute acid. Discharge to chemical waste treatment system.

Due to more restrictive waste disposal regulations, NEVER wastetreat or dispose of material until you check your appropriate local, state, & federal regulations for requirements. Spills may REQUIRE notification to FEDERAL, STATE and/or LOCAL AUTHORITIES.

### SECTION 11 TRANSPORTATION DATA

DOT PROPER SHIPPING NAME: NON-REGULATED

HAZARD: 0/NON REGULATED

UN/NA# : 000000

Pkg Grp:

DOT REPORTABLE QUANTITY (RQ): NOT APPLICABLE

IMO: CLEANING COMPOUND

IMO Class/Sub Class: NON REGULATED/0/0

Pkg Grp:

UN/NA# : 000000

IATA: CLEANING COMPOUND

IATA Cls/Sub Cls: NON REGULATED/0/0

Pkg Grp:

UN/NA# : 000000

EXPORT LICENSE MAY BE REQUIRED TO EXPORT THIS PRODUCT

### SECTION 12 GENERAL STORAGE DATA

STORAGE TEMPERATURE: MAXIMUM: 100.00F 37.77C MINIMUM: 037 F (3 C)

Material should be stored in the properly sealed original container

NON-REGULATED:

### SECTION 13 REGULATORY DATA

The following regulations apply to this product.

#### FEDERAL REGULATIONS:

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200: Based on our evaluation, NO ingredients in this product are subject to this rule.

# MacDermid Incorporated

245 FREIGHT STREET - WATERBURY, CT06702 - TELEPHONE (203)575-5700 - TELEX 4436011 - FAX 203-575-5630

## MATERIAL SAFETY DATA SHEET

Product: ND-17

Issue Date: 7/20/1994

Page: 6

Product Code: 10066

Revised Date: 9/20/1994

24 Hour Emergency Number: CHEMTREC (1-800-424-9300)

### SECTION 13

### REGULATORY DATA

(Continued)

CERCLA/SUPERFUND, 40 CFR 117, 302/304: Notification of spills of this product is NOT required.

SARA/SUPERFUND AMENDMENTS & REAUTHORIZATION ACT of 1986 (TITLE III) Sections 302, 311, 312, & 313:

SECTION 302: Extremely Hazardous Substances (40 CFR 355)

This product does not contain ingredient(s) listed in APPENDIX A of 40 CFR 355

SECTIONS 311 & 312 - M.S.D.S REQUIREMENTS (40 CFR 370):

- ☐ Immediate (Acute) health hazard    ☐ Delayed (Chronic) health hazard
- ☐ Fire Hazard    ☐ Sudden release of pressure hazard
- ☐ Reactive hazard

Under Section 311, submittal of MSDS or a list of product names to the local emergency planning commission, state emergency response commission, the local fire department is required after October 17, 1987. Consult the regulation for pertinent changes and updates.

SECTION 313 - LIST OF TOXIC CHEMICALS (40 CFR 372):

This product does not contain ingredients listed under 40CFR 372.65

TOXIC SUBSTANCE CONTROL ACT (TSCA): The chemical ingredient(s) in this product are listed on the 8(b) Inventory List (40 CFR 710).

RESOURCE CONSERVATION & RECOVERY ACT (RCRA), 40 CFR 261 SUBPARTS C & D:

Please refer to Section 10, disposal information for pertinent data

TOTAL TOXIC ORGANICS

This product does not contain ingredients on the List of Total Toxic Organics

OSHA PROCESS SAFETY (1910.119):

This product does not contain ingredient(s) listed in Appendix A of 29 CFR 1910.119 list of Highly Hazardous Chemicals, Toxics and Reactives of OSHA process safety management.

CLEAN AIR ACT:

This product does not contain ingredient(s) listed on the Hazardous Air Pollutants of CAA 40 CFR 112(G).

OZONE DEPLETING SUBSTANCES:

# MacDermid Incorporated

245 FREIGHT STREET - WATERBURY, CT06702 - TELEPHONE (203)575-5700 - TELEX 4438011 - FAX 203-575-5830

## MATERIAL SAFETY DATA SHEET

Product: ND-17

Issue Date: 7/20/1994

Page: 7

Product Code: 10066

Revised Date: 9/20/1994

24 Hour Emergency Number: CHEMIREC (1-800-424-9300)

---

SECTION 13	REGULATORY DATA	(Continued)
------------	-----------------	-------------

---

This product does not contain ingredient(s) listed on Ozone Depleting Substances of CAA 40 CFR 82.

### STATE REGULATIONS:

#### California Proposition 65:

This product complies with the MSDS and labeling requirements of the Safe Drinking Water and Toxic Enforcement Act of 1986.

This product does not contain ingredient(s) listed on California Prop65 List

#### Michigan Critical Materials:

This product does not contain ingredient(s) listed on the Michigan Critical Materials Register.

The information listed above does not include all Federal, State, and International regulations. The regulations listed above may change from time to time; it is the users responsibility to keep advised of current regulatory requirements.

Prepared by MacDermid Inc. Safety & Regulatory Compliance Department, based upon publicly available reference information.

---

SECTION 14	USER NOTIFICATION
------------	-------------------

---

To the best of our knowledge the information contained herein is correct. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HERE UNDER WITH RESPECT TO THE INFORMATION CONTAINED HEREIN OR THE CHEMICAL TO WHICH THE INFORMATION REFERS.