



## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

Product identifier used on the label:

**Product Name:** OPTI WASH EXTREME LAUNDRY-2.5  
**Product Code:** 400080

Other means of identification:

**Product Description:** Recommended use of the chemical and restrictions on use:<br>Recommended Use: Institutional laundry detergent<br><br>Uses advised against: No information available  
**Synonyms:** HDLDNFD

Recommended use of the chemical and restrictions on use:

Chemical distributor, or other responsible party Name, address, and telephone number:

**Distributor Name:** North Woods  
**Address:** 4415 S. Taylor Drive  
Sheboygan, WI 53081  
**General Phone Number:** 800-242-7694

Emergency phone number::

**Emergency Phone Number:** Infotrac (800) 535-5053  
**Website:** www.northwoodstm.com

### SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

**GHS Pictograms:**



**Signal Word:** Danger

**GHS Class:** Classification:  
This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Skin Corrosion/Irritation Category 1 Subcategory 1A  
Serious Eye Damage/Eye Irritation Category 1

GHS Label elements, including precautionary statements:  
Hazard Not Otherwise Classified (HNOC): Not applicable

Other information: Harmful to aquatic life with long lasting effects

**Hazard Statements:** Causes severe skin burns and eye damage.

**Precautionary Statements:** Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Immediately call a POISON CENTER or doctor/physician.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN (or hair): IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
Wash contaminated clothing before reuse.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Store locked up.  
Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified that have been identified during the classification process:

**Emergency Overview:** Appearance: YELLOW  
Physical State: LIQUID.  
Odor: No information available

**Route of Exposure:** Inhalation, Eye Contact, Skin Contact, Ingestion

**Eye:** Causes serious eye damage.

**Skin:** Causes severe skin burns.

**Inhalation:** Inhalation of mist may cause irritation to the respiratory system.

**Ingestion:** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Carcinogenicity:** Contains no ingredient listed as a carcinogen.

**Signs/Symptoms:** Symptoms related to the physical, chemical and toxicological characteristics:  
Symptoms: No information available.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Ethylene oxide-Nonylphenol polymer	9016-45-9	1-5% %	
Benzenesulfonic acid, C10-16-alkyl derivatives	68584-22-5	1-5% %	
Sodium hydroxide	1310-73-2	15-30% %	

### SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

**Skin Contact:** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion:** Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

Indication of immediate medical attention and special treatment needed:

**Note to Physicians:** Treat symptomatically.

**Most important symptoms/effects, acute and delayed:** Most Important Symptoms/Effects: No information available.

### SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:** Sensitivity to Mechanical Impact: None.

Special protective equipment and precautions for fire-fighters:

**Protective Equipment:** Protect from irritating mists and corrosive solutions with pressure demand, self-contained respirator and protective clothing.

**Fire Fighting Instructions:** Protect from irritating mists and corrosive solutions with pressure demand, self-contained respirator and protective clothing.

**NFPA Ratings:**

NFPA Health: 3

NFPA Flammability: 0

NFPA Reactivity: 0



**Specific Hazards Arising from the Chemical:** No information available

### SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

**Personal Precautions:** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery.

Environmental precautions:

**Environmental Precautions:** Dispose of contents/container to an approved waste disposal plant.

Methods and materials for containment and cleaning up:

Methods for containment: Stop leak if you can do it without risk  
Methods for cleanup: Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water.

## SECTION 7 : HANDLING and STORAGE

### Precautions for safe handling:

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

**Hygiene Practices:** Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities:

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep from freezing. Keep container closed when not in use. Keep out of the reach of children.

**Incompatible Products:** Strong oxidizing agents. Aluminium. Acids. Metals. Do not mix with anything but water

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### Appropriate engineering controls:

**Engineering Controls:** Showers  
Eyewash stations  
Ventilation systems

#### Individual protection measures:

**Eye/Face Protection:** Chemical splash goggles. Face-shield.

**Skin Protection Description:** Rubber gloves. Neoprene gloves.

**Respiratory Protection:** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

### PHYSICAL AND CHEMICAL PROPERTIES:

**Physical State:** Liquid

**Color:** YELLOW/BLUE

**Odor:** No information available

**Odor Threshold:** No information available

**Boiling Point:** > 100 deg C/> 212 deg F  
Remarks/ - Method: None known

**Melting Point:** No data available  
Remarks/ - Method: None known

**Density:** Relative Density: No data available  
Remarks/ - Method: None known

**Specific Gravity:** No data available  
Remarks/ - Method: None known

**Solubility:** Solubility in other solvents: No data available  
Remarks/ - Method: None known

**Vapor Density:** No data available  
Remarks/ - Method: None known

**Vapor Pressure:** No data available  
Remarks/ - Method: None known

**Evaporation Rate:** No data available  
Remarks/ - Method: None known

**pH:** 13.0  
Remarks/ - Method: (4 % solution)

**Coefficient of Water/Oil Distribution:** Partition coefficient: n-octanol/water: No data available  
Remarks/ - Method: None known

**Flash Point:** No data available

**Flash Point Method:** None known

**Lower Flammable/Explosive Limit:** In Air: No data available

**Upper Flammable/Explosive Limit:** In Air: No data available

**Auto Ignition Temperature:** No data available  
Remarks/ - Method: None known

**Explosive Properties:** No data available

**Oxidizing Properties:** No data available

**VOC Content:** (%): No data available

## 9.2. Other information:

Notes : Flammability (solid, gas): No data available  
Remarks/ - Method: None known  
Flammable Properties: Not flammable

## SECTION 10 : STABILITY and REACTIVITY

### Reactivity:

Reactivity: No data available.  
Possibility of hazardous reactions: None under normal processing.

### Chemical Stability:

Chemical Stability: Stable under recommended storage conditions.

### Conditions To Avoid:

Conditions to Avoid: Spills or careless handling. Incompatible products.

### Incompatible Materials:

Incompatible Materials: Strong oxidizing agents. Aluminium. Acids. Metals. Do not mix with anything but water

### Hazardous Decomposition Products:

Special Decomposition Products: None known based on information supplied.

## SECTION 11 : TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION:

Skin: Numerical measures of toxicity - Product:  
Acute Toxicity:  
The following values are calculated based on section 3 of the GHS document:  
LD50 Dermal: 2398 mg/kg; Acute toxicity estimate

Ingestion: Chemical Name: Water  
LD50 Oral: 90 mL/kg ( Rat )  
  
Chemical Name: Acrylic resin  
LD50 Oral = 2500 mg/kg ( Rat )  
  
Numerical measures of toxicity - Product:  
Acute Toxicity:  
The following values are calculated based on section 3 of the GHS document:  
LD50 Oral: 4489 mg/kg; Acute toxicity estimate

Sensitization: No information available.

Mutagenicity: No information available.

Reproductive Toxicity: No information available.

### Ethylene oxide-Nonylphenol polymer :

Skin: LD50 Dermal = 2 mL/kg ( Rabbit )

Ingestion: LD50 Oral = 1310 mg/kg ( Rat )

### Benzenesulfonic acid, C10-16-alkyl derivatives :

Skin: LD50 Dermal = 530 mg/kg ( Rat )

Ingestion: LD50 Oral = 530 mg/kg ( Rat )

### Sodium hydroxide :

Skin: LD50 Dermal: 1350 mg/kg ( Rabbit )

## SECTION 12 : ECOLOGICAL INFORMATION

### Ecotoxicity:

Ecotoxicity: Harmful to aquatic life with long lasting effects.

Chemical Name: Acrylic resin - 9003-01-4  
Toxicity to Fish:  
LC50 96 h: = 580 mg/L (Lepomis macrochirus)  
  
Daphnia Magna (Water Flea):  
EC50 96 h: = 168 mg/L (water flea)

### Persistence and degradability:

Biodegradation: Persistence and Degradability: No information available.

### Bioaccumulative potential:

Bioaccumulation: No information available.

### Benzenesulfonic acid, C10-16-alkyl derivatives :

### Ecotoxicity:

**Ecotoxicity:** Toxicity to Fish:  
LC50 96 h: = 3 mg/L static (Oncorhynchus mykiss)

Toxicity to Microorganisms:  
EC50 = 5 mg/L 6 h

Daphnia Magna (Water Flea):  
EC50 48 h: = 2.9 mg/L (Daphnia magna)

Bioaccumulative potential:

**Bioaccumulation:** Log Pow: 2

Sodium hydroxide:

Ecotoxicity:

**Ecotoxicity:** Toxicity to Fish:  
LC50 96 h: = 45.4 mg/L static (Oncorhynchus mykiss)

## SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

**Waste Disposal:** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging:** Do not re-use empty containers.

**Notes :** Chemical Name: Sodium hydroxide  
California Hazardous Waste: Toxic, Corrosive

## SECTION 14 : TRANSPORT INFORMATION

**DOT Shipping Name:** Corrosive liquids, n.o.s.

**DOT UN Number:** UN1760

**DOT Hazard Class:** 8

**DOT Packing Group:** II

**IATA Shipping Name:** Corrosive liquids, n.o.s.

**IATA UN Number:** UN1760

**IATA Packing Group:** 8

**Canadian Shipping Name:** Corrosive liquids, n.o.s.

**Canadian UN Number:** UN1760

**Canadian Hazard Class:** 8

**IMDG UN Number :** UN1760

**IMDG Shipping Name :** Corrosive liquids, n.o.s.

**IMDG Hazard Class :** 8

**IMDG Packing Group :** II

**RID UN Number :** UN1760

**RID Shipping Name :** Corrosive liquids, n.o.s.

**RID Hazard Class :** 8

**RID Packing Group :** II

**ICAO UN Number :** UN1760

**ICAO Shipping Name:** Corrosive liquids, n.o.s.

**ICAO Hazard Class :** 8

**ICAO Packing Group :** II

**Notes :**

**MEX:**  
UN-Number: UN1760  
Proper Shipping Name: Corrosive liquid, n.o.s.  
Hazard Class: 8  
Packing Group: II  
Description: UN1760, Corrosive liquid, n.o.s. (Sodium hydroxide), 8, II

**ADN:**  
Proper Shipping Name: Corrosive liquid, n.o.s.  
Hazard Class: 8  
Packing Group: II  
Classification Code: C9  
Special Provisions: 274  
Description: UN1760, Corrosive liquid, n.o.s. (Sodium hydroxide), 8, II  
Limited Quantity: 1 L

## SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

**SECTION 16 : ADDITIONAL INFORMATION**

**HMIS Ratings:**

HMIS Health Hazard: 3  
 HMIS Fire Hazard: 0  
 HMIS Reactivity: 0  
 HMIS Personal Protection: X

<b>Health Hazard</b>	<b>3</b>
<b>Fire Hazard</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>X</b>

SDS Revision Date: October 05, 2017

MSDS Revision Notes:

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