



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:
Recommended Use: Institutional laundry detergent

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
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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.
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Environmental precautions:

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

Health Hazard	3
Fire Hazard	0
Reactivity	0
Personal Protection	X

SDS Revision Date: October 05, 2017

MSDS Revision Notes:

Disclaimer:

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