



# Safety Data Sheet

Issue Date 08-Aug-2011

Revision Date: 18-Mar-2015

Version 1.1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Nattura eco traction wash

### Other Means of Identification

**Product Code** 963600

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Bio-enzymatic floor wash. For industrial use.

### Details of the Supplier of the Safety Data Sheet

Midlab, Inc.  
140 Private Brand Way  
Athens, TN 37303

### Emergency Telephone Number

**Company Phone Number** Phone: 1-423-337-3180  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION\*

**EMERGENCY OVERVIEW:** Contains non-pathogenic bacterial spores.

**Appearance** Green

**Physical State** Liquid

**Odor** None

### Classification

Serious Eye Damage/Eye Irritation	Category 2 Sub-category B
Aquatic Toxicity – Acute	Category 3

### Signal Word

**Warning**

### Hazard Statements

Causes eye irritation.  
Harmful to aquatic life.

### Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling.  
Avoid release to the environment.

### Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

### Precautionary Statements – Storage

No other specific measures identified.

### Precautionary Statements – Disposal

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Sodium Dodecyl Benzene Sulphonate	25155-30-0	3-7
Non-Pathogenic Bacterial Spores	Proprietary	3-7
Poly(Oxy-1,2-Ethanediy),Alpha-Undecyl-Omega-Hydroxy-	34398-01-1	3-7
Lauramine Oxide	1643-20-5	1-5
Monoethanolamine	141-43-5	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

#### First Aid Measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	If skin irritation occurs, rinse affected area with water.
<b>Inhalation</b>	No known hazardous effects. If symptoms occur, remove to fresh air.
<b>Ingestion</b>	Drink plenty of water. If any discomfort persists, obtain medical attention.

#### Most Important Symptoms and Effects

<b>Symptoms</b>	Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. Prolonged or repeated skin contact may cause irritation.
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#### Indication of Any Immediate Medical Attention and Special Treatment Needed

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

#### Unsuitable Extinguishing Media

Not determined.

#### Specific Hazards Arising from the Chemical

None known.

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

<b>Personal Precautions</b>	Use personal protective equipment as required.
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<b>Environmental Precautions</b>	Avoid release to the environment.
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#### Methods and Material for Containment and Cleaning Up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
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**Methods for Clean-Up** Collect spillage. Collect in a clean, dry waste container for disposal. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Advice on Safe Handling** Avoid contact with eyes. Observe good industrial hygiene practices.

### Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.

**Incompatible Materials** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Monoethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m <sup>3</sup> (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m <sup>3</sup> (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m <sup>3</sup>	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m <sup>3</sup> STEL: 6 ppm STEL: 15 mg/m <sup>3</sup>

### Appropriate Engineering Controls

**Engineering Controls** Ventilation systems.

### Individual Protection Measures, such as Personal Protective Equipment

**Eye/Face Protection** No protective equipment is needed under normal use conditions.

**Skin and Body Protection** No protective equipment is needed under normal use conditions.

**Respiratory Protection** No protective equipment is needed under normal use conditions.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odor</b>	None
<b>Appearance</b>	Hazy	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Two part product: Green & Tan components, Hazy Green when mixed.		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	7.5-8.0	
<b>Melting Point/Freezing Point</b>	~ 0 °C / ~32 °F	
<b>Boiling Point/Boiling Range</b>	~ 100 °C / ~212 °F	
<b>Flash Point</b>	Not applicable	Tag Open Cup
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	n/a-liquid	
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	Not determined	
<b>Vapor Density</b>	Not determined	
<b>Specific Gravity</b>	1.01	
<b>Water Solubility</b>	Completely soluble	@ 25 °C (77 °F)

<b>Solubility in other solvents</b>	Not determined
<b>Partition Coefficient</b>	Not determined
<b>Auto-ignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Keep out of reach of children. Keep from freezing.

### Incompatible Materials

None known.

### Hazardous Decomposition Products

When exposed to fire, produces normal products of combustion.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Avoid contact with skin.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Dodecyl Benzene Sulphonate 25155-30-0	= 438 mg/kg ( Rat )	-	-
Poly(Oxy-1,2-Ethanediy),Alpha-Undecyl-Omega-Hydroxy- 34398-01-1	= 1000-2000 mg/kg (Rat)	-	-
Lauramine Oxide 1643-20-5	> 600 mg/kg (Rat) (14days)	> 2000 mg/kg (Rabbit) (14days)	-
Monoethanolamine 141-43-5	= 1720 mg/kg ( Rat )	= 1 mL/kg (Rabbit) = 1025 mg/kg (Rabbit)	-

### Information on Physical, Chemical and Toxicological Effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical Measures of Toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Dodecyl Benzene Sulphonate 25155-30-0	-	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static	-	-
Poly(Oxy-1,2-Ethanediy),Alpha- Undecyl-Omega-Hydroxy- 34398-01-1	-	10-20 mg/L (96hr)	-	1-10 mg/L (48hr)
Lauramine Oxide 1643-20-5	0.19 mg/L (72hr)	2.67 mg/L (96hr)	-	3.1 mg/L (48hr)
Monoethanolamine 141-43-5	15: 72 h Desmodesmus subspicatus mg/L EC50	227: 96 h Pimephales promelas mg/L LC50 flow-through 3684: 96 h Brachydanio rerio mg/L LC50 static 300 - 1000: 96 h Lepomis macrochirus mg/L LC50 static 114 - 196: 96 h Oncorhynchus mykiss mg/L LC50 static 200: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	-	65: 48 h Daphnia magna mg/L EC50

### Persistence/Degradability

Not determined

### Bioaccumulation

Not determined

### Mobility

Chemical Name	Partition Coefficient
Monoethanolamine 141-43-5	-1.91

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

Not determined

### US Federal Regulations

### CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium Dodecyl Benzene Sulphonate 25155-30-0	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes

**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
None known			

**CWA (Clean Water Act)**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium Dodecyl Benzene Sulphonate 25155-30-0	1000 lb			X

**US State Regulations**

**U.S. State Right-to-Know Regulations**

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List:

Chemical Name	State List
Sodium Dodecyl Benzene Sulphonate 25155-30-0	MA, NJ, PA
Monoethanolamine 141-43-5	MA, NJ, PA

- AZ- Arizona Ambient Air Quality Guidelines
- CT- Connecticut Hazardous Air Pollutants
- CA- California Director's List of Hazardous Substances
- CAP65- California Prop65
- FL- Florida Substances List
- ID- Idaho Non-Carcinogen Toxic Air Pollutants

- IL- Illinois Toxic Air Contaminate- Carcinogenic
- MA- Massachusetts Right to Know List
- MN- Minnesota Hazardous Substances List
- NJ- New Jersey Right to Know List
- PA- Pennsylvania Right to Know List
- RI- Rhode Island Hazardous Substances List

**16. OTHER INFORMATION**

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	0	0	Not determined

Issue Date 08-Aug-2011  
 Revision Date: 18-Mar-2015  
 Revision Note Updated classification information Version 1.1

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

\*Denotes changes from last version.

**End of Safety Data Sheet**