

# SAFETY DATA SHEET (SDS)

## Lark or Owl?

Issue date: 09-07-2025

### Section 1: Product Identifier and Chemical Identity

Product Identifier	
Product Name:	Sleep Lab™: Lark or Owl?
Product Codes:	KT-1005-01
Other means of identification:	
External product name and code/s:	
Manufacturer:	
Ampliyus LLC	1770 Massachusetts Avenue, Suite 167, Cambridge Massachusetts USA 02140 Website: www.minipcr.com
Suppliers name, address and phone number	
Suppliers Name:	Southern Biological
Suppliers ABN:	94 630 703 810
Suppliers Address:	168 Fulham Road Alphington Victoria 3078 Australia
Suppliers Phone No.:	1300 138 561
Emergency Phone number (BH)	1300 138 561
Document list:	
Product name	Number of pages
100bp DNA ladder, Load Ready™	4
EZ PCR Master Mix, 5x, Load Ready™	4
Primer mix	4
X-tract DNA extraction buffer	3



# SAFETY DATA SHEET (SDS)

## 100bp DNA Ladder, Load Ready™

### SECTION 1 — IDENTIFICATION

Product Name	100bp DNA Ladder, Load Ready™ (RG-1001-01, RG-1001-02)						
Product Use	Gel electrophoresis						
Supplier's Name	Amplus LLC						
Street Address	1770 Massachusetts Avenue, Suite 167						
City	Cambridge	State	MA	Zip Code	02140		
Emergency Telephone Number	+1-781-990-8727		Date SDS Prepared	08/2020	Date SDS Revised		
Chemtrec (USA)	1-800-262-8200	SDS Prepared By	Amplus			Fax	888-317-0512

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	Not applicable.		
Hazard statement(s):	The product contains no substances which at their given concentration, are considered to be hazardous to health.		
Precautionary statements (s):	Not applicable		
Hazards not otherwise classified:	Click or tap here to enter text.		
Other:	Click or tap here to enter text.		

### SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
Click or tap here to enter text.	text	text	enter text.
Click or tap here to enter text.	text	text	enter text.
Click or tap here to enter text.	text	text	enter text.

### SECTION 4 — FIRST AID MEASURES

Eye Contact	Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.
Skin Contact	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
Inhalation	Move to fresh air. If breathing becomes difficult, call a physician.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Possible Symptoms	Click or tap here to enter text.
Immediate Care	Click or tap here to enter text.
Special Treatment Needed	Treat symptomatically.

## SECTION 5 — FIRE-FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	Click or tap here to enter text.
Means of Extinction	Dry chemical, CO2, water spray or alcohol resistant foam.		
Hazardous Combustion Products	Not applicable.		
Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.		

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so. Use personal protective equipment. Ensure adequate ventilation.
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## SECTION 7 — HANDLING AND STORAGE

Handling Procedures Equipment	No special measures are required for safe handling of this product.
	Click or tap here to enter text.
	Click or tap here to enter text.
Storage Requirements	No special precautions required. Store at -20°C.
	Click or tap here to enter text.
	Click or tap here to enter text.

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (Specify) enter text.
Specific Engineering Controls (such as ventilation, enclosed process)	Not required.
Personal Protective Measures	Wash hands thoroughly after handling.
Personal Protective Equipment	Appropriate protective clothing. Protective gloves and goggles. Do not eat, drink or smoke when handling this product.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Solution.	Blue or Greenish blue.	No information available
Odor	Solubility	Partition coefficient
Not defined.	Easily soluble.	No information available
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
Click or tap here to enter text.	No information available.	No information available
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
Not applicable	Undetermined	Not applicable
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
Click or tap here to enter text.	Undetermined	Undetermined.
pH	Relative Density	Viscosity
7.0-7.5	No information available	No information available

## SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? Click or tap here to enter text.
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents, acids and alkali

## SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	Material may be irritating to mucous membranes and upper respiratory tract.
	May cause skin irritation
	May cause eye irritation
Effects of chronic exposure	Click or tap here to enter text.
	Click or tap here to enter text.
	Click or tap here to enter text.
	Click or tap here to enter text.
Sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
	Click or tap here to enter text.
LD50	When used and handled according to specifications, the product does not have any harmful effects to our experience
Carcinogenicity, reproductive toxicity	Click or tap here to enter text.
Other	Click or tap here to enter text.

## SECTION 12 — ECOLOGICAL INFORMATION

Inherently biodegradable. Does not bioaccumulate

## SECTION 13 — DISPOSAL CONSIDERATIONS

This product is slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## SECTION 14 — TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport

## SECTION 15 — REGULATORY INFORMATION

This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials. OSHA Hazards: None known. US Statements: Caution. Avoid contact and inhalation. Target Organ (s): Kidneys. United States Regulatory Information: Sara Listed: No

## SECTION 16 — OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Amplyus LLC is not held liable for any damage resulting from handling or from contact with the above mentioned products.



# SAFETY DATA SHEET (SDS)

## EZ PCR Master Mix, 5X, Load Ready™

### SECTION 1 — IDENTIFICATION

Product Name	EZ PCR Master Mix, 5X, Load Ready™ (RG-1000-01)						
Product Use	Research use only						
Supplier's Name	Amplyus LLC						
Street Address	1770 Massachusetts Avenue, Suite 167						
City	Cambridge	State	MA	Zip Code	02140		
Emergency Telephone Number	+1-781-990-8727		Date SDS Prepared	08/2020	Date SDS Revised		
Chemtrec (USA)	1-800-262-8200	SDS Prepared By	Amplyus			Fax	888-317-0512

### SECTION 2 — HAZARDS IDENTIFICATION

Hazard classification:	Not applicable.						
Hazard statement(s):	The product contains no substances which at their given concentration, are considered to be hazardous to health.						
Precautionary statements (s):	Not applicable						
Hazards not otherwise classified:	None						
Other:							

### SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number	Other
Proprietary formula			

### SECTION 4 — FIRST AID MEASURES

Eye Contact	Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.
Skin Contact	Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.
Inhalation	Move to fresh air. If breathing becomes difficult, call a physician.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Possible Symptoms	Not known.
Immediate Care	Treat symptomatically.
Special Treatment Needed	Treat symptomatically.

**SECTION 5 – FIRE-FIGHTING MEASURES**

Flammable	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	Not applicable.
Means of Extinction	Dry chemical, CO <sub>2</sub> , water spray or alcohol resistant foam.		
Hazardous Combustion Products	Not applicable.		
Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.		

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Leak and Spill Procedures	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so. Use personal protective equipment. Ensure adequate ventilation.
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**SECTION 7 – HANDLING AND STORAGE**

Handling Procedures Equipment	No special measures are required for safe handling of this product.
Storage Requirements	No special precautions required. Store at -20°C.

**SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION**

Exposure Limits	<input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (Specify) enter text.
Specific Engineering Controls (such as ventilation, enclosed process)	Not required.
Personal Protective Measures	Wash hands thoroughly after handling.
Personal Protective Equipment	Appropriate protective clothing. Protective gloves and goggles. Do not eat, drink or smoke when handling this product.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Appearance	Odor Threshold (ppm)
Solution.	Green.	No information available
Odor	Solubility	Partition coefficient
Not defined.	Easily soluble.	No information available
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
No information available	No information available.	No information available
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
Not applicable	Undetermined	Not applicable
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
No information available	Undetermined	Undetermined.
pH	Relative Density	Viscosity
7.0-7.5	No information available	No information available

**SECTION 10 — STABILITY AND REACTIVITY**

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? No information available
Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents, acids and alkali

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Effects of Acute Exposure	Material may be irritating to mucous membranes and upper respiratory tract.
	May cause skin irritation
	May cause eye irritation
Effects of chronic exposure	When used and handled according to specifications, the product does not have any known harmful effects
Sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals
LD50	When used and handled according to specifications, the product does not have any known harmful effects.
Carcinogenicity, reproductive toxicity	
Other	

## SECTION 12 — ECOLOGICAL INFORMATION

Inherently biodegradable. Does not bioaccumulate

## SECTION 13 — DISPOSAL CONSIDERATIONS

This product is slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## SECTION 14 — TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport

## SECTION 15 — REGULATORY INFORMATION

This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials. OSHA Hazards: None known. US Statements: Caution. Avoid contact and inhalation. Target Organ (s): Kidneys. United States Regulatory Information: Sara Listed: No

## SECTION 16 — OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Amplyus LLC is not held liable for any damage resulting from handling or from contact with the above mentioned products.



**SAFETY DATA SHEET (SDS)**  
**Primer Mix**

**SECTION 1 — IDENTIFICATION**

Product Name	Primer Mix						
Product Use	For research and educational use only						
Supplier's Name	Amplyus LLC						
Street Address	1770 Massachusetts Avenue, Suite 167						
City	Cambridge	State	MA	Zip Code	02140		
Emergency Telephone Number	+1-781-990-8727		Date SDS Prepared	5/2020	Date SDS Revised	10/2020	
Chemtrec (USA)	1-800-262-8200	SDS Prepared By	Amplyus			Fax	888-317-0512

**SECTION 2 — HAZARDS IDENTIFICATION**

Hazard classification:	Not applicable
Hazard statement(s):	The product contains no substance which at their given concentration, are considered to be hazardous to health
Precautionary statements (s):	Not applicable
Hazards not otherwise classified:	Not applicable.
Other:	Not applicable.

**SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	%	CAS Number	Other
No components need to be disclosed according to the applicable regulations			

**SECTION 4 — FIRST AID MEASURES**

Eye Contact	Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention.
Skin Contact	Wash off with soap and plenty of water.
Inhalation	If breathed in, move the person into fresh air. If not breathing, give artificial respiration, if breathing becomes difficult, call a physician.
Ingestion	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
Possible Symptoms	Not applicable.
Immediate Care	Not applicable.
Special Treatment Needed	Treat symptomatically

**SECTION 5 — FIRE-FIGHTING MEASURES**

Flammable	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, under which conditions?	Not applicable.
Means of Extinction	Dry chemical CO2, water spray or alcohol resistant foam.		
Hazardous Combustion Products	Not applicable		

Protective equipment and precautions for firefighters:	Wear self-contained breathing apparatus and protective clothing prevent contact with skin and eyes.
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## SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures	Use PPE, Sweep up. Keep in suitable, closed containers for disposal. Avoid dust formation. Avoid breathing vapors, mist or gas.
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## SECTION 7 — HANDLING AND STORAGE

Handling Procedures Equipment	No special handling equipment is needed. To avoid contamination use protective gloves.
Storage Requirements	Tightly cap the tube and store in freezer at -20°C

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (Specify) .
Specific Engineering Controls (such as ventilation, enclosed process)	Contains no substances with occupational exposure limit values.
Personal Protective Measures	General industrial hygiene practice.
Personal Protective Equipment	Follow skin and eye protective measures.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Appearance	Odor Threshold (ppm)
Liquid	Clear	Data not available.
Odor	Solubility	Partition coefficient
None	Water	Data not available.
Specific Gravity	Vapor Density (air = 1)	Vapor Pressure (mmHg)
Data not available.	Data not available.	Data not available.
Autoignition Temp (° C)	Melting Point (° C)	Flash Point (° C)
Data not available.	Data not available.	Data not available.
Evaporation Rate	Boiling Point (° C)	Freezing Point (° C)
Data not available.	Data not available.	Data not available.
pH	Relative Density	Viscosity
~7.0-8.0	Data not available.	Data not available.

## SECTION 10 — STABILITY AND REACTIVITY

Chemical Stability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions? Stable at least for 6 months under recommended temperature.
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Incompatibility with Other Substances	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizing agents..
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## SECTION 11 — TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
	0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
	0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)
Effects of chronic exposure	Data not available.
	Data not available.
	Data not available.
	Data not available.
Sensitization	Data not available.
	Data not available.
LD50	Data not available.
Carcinogenicity, reproductive toxicity	Data not available.
Other	Data not available.

## SECTION 12 — ECOLOGICAL INFORMATION

Data not available.

## SECTION 13 — DISPOSAL CONSIDERATIONS

Offer surplus and non-recyclable solutions to a licensed disposal company. .

## SECTION 14 — TRANSPORT INFORMATION

Not dangerous goods.

## SECTION 15 — REGULATORY INFORMATION

### **SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **SARA 311/312 Hazards**

No SARA Hazards

### **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

## SECTION 16 — OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Amplyus LLC is not held liable for any damage resulting from handling or from contact with the above mentioned products.

**X-Tract DNA Extraction Buffer (1.0 ml)**

**Latest revision date:** September 2020

**Revision:** 1

**SDS prepared by:** Amplyus

**SECTION 1 — IDENTIFICATION**

**Product name:** X-Tract DNA Extraction Buffer

**Catalog or product number:** RG-1020-01

**Product use:** This product is for education and research use only

**Supplier:**

Amplyus LLC

1770 Massachusetts Avenue, Suite 167

Cambridge, MA 02140

Phone: 1-781-990-8727

Fax: 888-317-0512

**CHEMTREC Emergency Telephone Number:** 1-800-262-8200

**SECTION 2 — HAZARDS IDENTIFICATION**

**Hazard class:** Not a dangerous substance or mixture according to the Global Harmonized System (GHS)

**Hazard statement(s):** Product contains No substances which at their given concentration, are considered to be hazardous to health.

**Precautionary statement(s):** N/A

**Hazards not otherwise classified:** N/A

**SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	%	CAS Number
Water	99	
No other components need to be disclosed according to the applicable regulations		

**SECTION 4 — FIRST AID MEASURES**

**General information:** No special measures required

**Eye contact:** Flush opened eye immediately with plenty of water. If irritation persists, get medical attention.

**Skin contact:** Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.

**Inhalation:** Move to fresh air. If breathing becomes difficult, call a physician.

**Ingestion:** Rinse mouth with water. Seek medical attention and appropriate follow-up.

**SECTION 5 — FIRE-FIGHTING MEASURES**

**Conditions of flammability:** Not flammable

**Suitable extinguishing media:** Dry chemical, CO<sub>2</sub>, water spray, or alcohol resistant foam.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for fire-fighting if necessary.

**Hazardous combustion products:** N/A

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Prevent skin/eye contact. Wear personal protective equipment as needed.

**Environmental precautions:** No special measures required.

**Methods and materials for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

## SECTION 7 — HANDLING AND STORAGE

**Precautions for safe handling:** No special measures required.

**Conditions for safe storage:** No special measures required. Store at ambient temperature or -20 °C.

**Incompatible products:** N/A

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

**Engineering controls:** Not required. General room ventilation is adequate for use of this product.

**Personal protective measures:** Wash hands thoroughly after handling. Do not eat, drink or smoke when handling this product.

**Personal protective equipment:**

- **Skin protection:** protective gloves, appropriate protective clothing
- **Eye protection:** safety glasses

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Form:** solution

**Color:** colorless

**Odor:** not defined

**Odor threshold:** No data available

**pH:** No data available

**Melting point/freezing point:** No data available

**Boiling point:** No data available

**Flash point:** No data available

**Evaporation rate:** No data available

**Ignition temperature:** No data available

**Autoignition temperature:** No data available

**Lower explosion limit:** No data available

**Upper explosion limit:** No data available

**Vapor pressure:** No data available

**Vapor density:** No data available

**Relative density (water = 1):** No data available

**Water solubility:** No data available

**Partition coefficient (n-octanol/water):** No data available

**Viscosity:** No data available

## SECTION 10 — STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions.

**Incompatible materials to avoid:** Strong acids or bases, strong oxidizers.

**Hazardous decomposition products:** N/A

## SECTION 11 — TOXICOLOGICAL INFORMATION

**Acute toxicity LD/LC50 values:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Reproductive toxicity:** No data available

**Teratogenicity:** No data available

**Carcinogenicity:** No components of this product are listed by IARC, NTP, and OSHA.

## SECTION 12 — ECOLOGICAL INFORMATION

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT assessment:** No data available

**vPvB assessment:** No data available

**Other adverse effects:** No data available

## SECTION 13 — DISPOSAL CONSIDERATIONS

**Product:** Dispose of waste in accordance with applicable national, regional, or local regulations. Do Not allow product to reach ground water, water course, or sewage system.

**Contaminated packaging:** Dispose of packaging in accordance with applicable national, regional, or local regulations.

## SECTION 14 — TRANSPORT INFORMATION

This substance is considered to be non-hazardous for transport.

## SECTION 15 — REGULATORY INFORMATION

**SARA 302/304 (40CFR355.30/40CFR355.40):** This material does not contain any components with a section 302 EHS TPQ or a section 304 EHS RQ

**SARA 313:** Substance not listed

**SARA 311/312:** No SARA hazards

**California Proposition 65:** Substance not listed

**Massachusetts right to know:** Substance not listed

## SECTION 16 — OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Amplyus LLC is not held liable for any damage resulting from handling or from contact with the above mentioned products