

## Material Safety Data Sheet

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Forest Technologies, LLC.

30212 Co. Rd. 49  
Loxley, AL 36551  
(251) 626-7470

#### HMIS Ratings:

Health	1 - Slight
Flammability	2 - Moderate
Reactivity	0
Personal protection	G

#### Trade Names/Synonyms:

Chemical Family:

EPA #

DOT Proper Shipping Name:

#### Cable Cleaner

d-Limonene based cleaner

N/A

Terpene Hydrocarbon, Flammable Liquid, n.o.s., 3,  
UN2319, PGIII

### SECTION 2: COMPOSITION/HAZARDOUS INGREDIENTS

#### Components:

d-Limonene, CAS# 5989-27-5

Weight	TWA/TLV
Prop.	ND

### SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS (FIRE & EXPLOSION DATA)

Description:	Colorless to orange clear liquid
Odor:	Orange, citrus
Boiling Point:	>300°F
Flash Point:	115°C (239°F)
Percent Volatile:	95+%
Density:	6.98 lb/gal
Solubility in Water:	Forms emulsion, blooms

**Extinguishing Media:** Carbon dioxide, Foam, or Dry chemical.

**Special Fire Fighting Procedures:** Smother to exclude air. Don not use water. Handle as an oil fire. Must wear MSHA/NIOSH approved self-contained breathing apparatus.

**Unusual Fire Explosion Hazards:** Combustible liquid. Keep away from heat, sparks, and open flame.

### SECTION 4: PHYSICAL HAZARDS

**Stability:** Stable.

**Incompatibility:** Strong oxidizing agents and acids including acidic clays, peroxides, halogens, vinyl chloride, and iodine pentafluoride.

**Hazardous Polymerization:** Will not occur.

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#### HMIS Ratings:

Health	1 - Slight
Flammability	1 - Slight
Reactivity	0
Personal protection	G

#### Trade Names/Synonyms:

#### Cable Cleaner – Water Based

#### Chemical Family:

Water-Based Cleaning Solution

#### EPA #

N/A

#### DOT Proper Shipping Name:

Not considered hazardous by DOT regulations

### SECTION 2: COMPOSITION/HAZARDOUS INGREDIENTS

#### Components:

d-Limonene, CAS# 5989-27-5

Weight	TWATLV
Prop.	ND

### SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS (FIRE & EXPLOSION DATA)

Description:	Colorless to orange-white liquid
Odor:	Orange, citrus
Boiling Point:	212°F (100°C)
Flash Point:	ND
Percent Volatile:	>90%
Density:	7.85 lb/gal
Solubility in Water:	miscible

**Extinguishing Media:** Carbon dioxide, Foam, or Dry chemical.

**Special Fire Fighting Procedures:** Smother to exclude air. Don not use water. Handle as an oil fire. Must wear MSHA/NIOSH approved self-contained breathing apparatus.

**Unusual Fire Explosion Hazards:** Pressure may increase in a closed container if exposed to heat.

### SECTION 4: PHYSICAL HAZARDS

**Stability:** Stable.

**Incompatibility:** Strong oxidizing agents, heat, or open flames.

**Hazardous Polymerization:** Will not occur.

**Hazardous Combustion or Decomposition Products:** Fumes of carbon monoxide, carbon dioxide, and smoke.

**Conditions to Avoid:** Heat, open flames, and sparks.

**SECTION 5:**

**HEALTH HAZARDS**

**Routes of Entry:** Skin Contact, Inhalation, Eye Contact, Ingestion.

**Inhalation:** solvent vapors or mists of products can cause Irritation of mucous membranes. May cause headache or nausea.

**Eye Contact:** Severe eye damage can result from direct contact.

**Skin Contact:** Irritation.

**Ingestion:** Can cause nausea, vomiting, and diarrhea.

**First Aid**

**Skin & Eye:** In case of contact, immediately flush the eyes and skin with plenty of water for at least 15 minutes. Call a physician. Remove and wash contaminated clothing before reuse.

**Ingestion:** If swallowed, drink promptly a large glass of water. Avoid alcohol. Do NOT induce vomiting. Call a physician immediately.

**Inhalation:** Evacuate to fresh air. If symptoms persist, seek medical attention.

<b>Chemicals Listed as Carcinogens by:</b>	OSHA	NO
	I.A.R.C. Monographs	NO
	National Toxicology Program	NO

**SECTION 6:**

**TOXICITY**

Acute Oral LD <sub>50</sub> :	>5 g/kg (Rat)
Acute Dermal:	>5 g/kg (RBT)
Acute Inhalation:	No data available.
Primary Skin:	Irritant.
Primary Eye:	Irritant.
Ecotoxicology:	May be toxic to aquatic organisms.

**SECTION 7:**

**SPECIAL PROTECTION INFORMATION**

**Ventilation Type:** Mechanical (explosion proof).

**Respiratory Protection:** None required if good ventilation is maintained. For mist or vapor, wear NIOSH approved respirator.

**Protective Gloves:** Wear chemical resistant rubber or neoprene gloves.

**Eye Protection:** Chemical safety goggles. Do not wear contact lenses.

**Other:** Neoprene protective apron, eyewash facility, emergency shower, and faceshield.

<b>SECTION 8:</b>	<b>SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURE</b>
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**Handling and Storage:** Store in a cool, dry place. Keep away from children.

**Spill and Leak Procedure:** Remove ignition sources. Wear respirator. Small spills may be mopped up and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes. Do not use clay absorbents.

**Waste Disposal:** Incinerate. Make sure that all federal, state, and local regulations are observed.

<b>SECTION 9:</b>	<b>SHIPPING INFORMATION</b>
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Contact Forest Technologies, LLC. for transportation information.

<b>SECTION 10:</b>	<b>OTHER INFORMATION</b>
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The information on this Data Sheet represents our current data and best opinion as to the proper use and handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.

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Revised: 10/17/06

**Hazardous Combustion or Decomposition Products:** Fumes of carbon monoxide, carbon dioxide, and smoke.

**Conditions to Avoid:** Heat, open flames, and sparks. Temperatures over 115°F.

<b>SECTION 5:</b>	<b>HEALTH HAZARDS</b>
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**Routes of Entry:** Skin Contact, Inhalation, Eye Contact, Ingestion.

**Inhalation:** solvent vapors or mists of products can cause Irritation of mucous membranes. May cause headache or nausea.

**Eye Contact:** Severe eye damage can result from direct contact.

**Skin Contact:** Irritation.

**Ingestion:** Can cause nausea, vomiting, and diarrhea.

### First Aid

**Skin & Eye:** In case of contact, immediately flush the eyes and skin with plenty of water for at least 15 minutes. Call a physician. Remove and wash contaminated clothing before reuse.

**Ingestion:** If swallowed, drink promptly a large glass of water. Avoid alcohol. Do NOT induce vomiting. Call a physician immediately.

**Inhalation:** Evacuate to fresh air. If symptoms persist, seek medical attention.

<b>Chemicals Listed as Carcinogens by:</b>	OSHA	NO
	I.A.R.C. Monographs	NO
	National Toxicology Program	NO

<b>SECTION 6:</b>	<b>TOXICITY</b>
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Acute Oral LD <sub>50</sub> :	>5 g/kg (Rat)
Acute Dermal:	>5 g/kg (RBT)
Acute Inhalation:	No data available.
Primary Skin:	Irritant.
Primary Eye:	Irritant.
Ecotoxicology:	May be toxic to aquatic organisms.

<b>SECTION 7:</b>	<b>SPECIAL PROTECTION INFORMATION</b>
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**Ventilation Type:** Mechanical (explosion proof).

**Respiratory Protection:** None required if good ventilation is maintained. For mist or vapor, wear NIOSH approved respirator.

**Protective Gloves:** Wear chemical resistant rubber or neoprene gloves.

**Eye Protection:** Chemical safety goggles. Do not wear contact lenses.

**Other:** Neoprene protective apron, eyewash facility, emergency shower, and faceshield.

<b>SECTION 8:</b>	<b>SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURE</b>
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**Handling and Storage:** Store in a cool, dry place. Keep away from children.

**Spill and Leak Procedure:** Remove ignition sources. Wear respirator. Small spills may be mopped up and incinerated. Large spills should be contained; the material then moved into containers and disposed of by approved methods for hazardous wastes. Do not use clay absorbents.

**Waste Disposal:** Incinerate. Make sure that all federal, state, and local regulations are observed.

<b>SECTION 9:</b>	<b>SHIPPING INFORMATION</b>
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Contact Forest Technologies, LLC. for transportation information.

<b>SECTION 10:</b>	<b>OTHER INFORMATION</b>
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### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Forest Technologies, LLC.

30212 Co. Rd. 49  
Loxley, AL 36551  
(251) 626-7470

#### HMIS Ratings:

Health	1 - Slight
Flammability	0
Reactivity	0
Personal protection	G

Trade Names/Synonyms:

#### Cable Loosener

Chemical Family:

Aqueous Polymer Solution, Low Solids

EPA #

N/A

DOT Proper Shipping Name:

Not Regulated

### SECTION 2: COMPOSITION/HAZARDOUS INGREDIENTS

<u>Components:</u>	<u>Weight</u>	<u>TWA/TLV</u>
Water	>75	
Oleic acid salt, CAS# 413-18-0	<5	
Propylene Glycol	<10	

This product is considered non-hazardous under OSHA Hazard Communication Standard (29CFR 1910.1200)

### SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS (FIRE & EXPLOSION DATA)

Description:	Colorless to White Gel
Odor:	negligible
Boiling Point:	212°F (100°C)
Flash Point:	N/A
Percent Volatile:	95.0%
Specific Gravity:	1.019
Solubility in Water:	Miscible
pH:	7.0-8.0

**Extinguishing Media:** Does not apply.

**Special Fire Fighting Procedures:** N/A

**Unusual Fire Explosion Hazards:** Due to high water content, sealed container may develop pressure under elevated temperatures.

<b>SECTION 4:</b>	<b>PHYSICAL HAZARDS</b>
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**Stability:** Stable.

**Incompatibility:** Bases; compounds which react with water.

**Hazardous Polymerization:** Will not occur.

**Hazardous Combustion or Decomposition Products:** Fumes of carbon monoxide, carbon dioxide, and smoke.

**Conditions to Avoid:** Wet surfaces. This product becomes extremely slippery when exposed to wet surfaces.

<b>SECTION 5:</b>	<b>HEALTH HAZARDS</b>
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**Routes of Entry:** Skin Contact, Eye Contact.

**Inhalation:** N/A.

**Eye Contact:** Irritation can result from direct contact.

**Skin Contact:** Possible slight irritation may result if person is sensitive to propylene glycol.

**Ingestion:** N/A

### First Aid

**Skin & Eye:** In case of contact, immediately flush the eyes and skin with large quantities of water for at least 15 minutes. If irritation persists, call a physician. Remove and wash contaminated clothing before reuse.

**Ingestion:** N/A

**Inhalation:** N/A

<b>Chemicals Listed as Carcinogens by:</b>	OSHA	NO
	I.A.R.C. Monographs	NO
	National Toxicology Program	NO

<b>SECTION 6:</b>	<b>TOXICITY</b>
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N/A

<b>SECTION 7:</b>	<b>SPECIAL PROTECTION INFORMATION</b>
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**Ventilation Type:** No additional ventilation required.

**Respiratory Protection:** None required if good ventilation is maintained.

**Protective Gloves:** Wear chemical resistant rubber or neoprene gloves.

**Eye Protection:** Chemical safety goggles. Do not wear contact lenses.

<b>SECTION 8: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURE</b>
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**Handling and Storage:** Store in a cool, dry place. Keep away from children.

**Spill and Leak Procedure:** Material is extremely slippery. Small spills may be mopped up and incinerated. Large spills should be contained; the material then covered with sand, gravel, Epsom's salt, or calcium chloride, moved into containers.

**Waste Disposal:** Local landfill or incinerate. Make sure that all federal, state, and local regulations are observed. This product is not hazardous under RCRA.

<b>SECTION 9: SHIPPING INFORMATION</b>
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Contact Forest Technologies, LLC. for transportation information.

<b>SECTION 10: OTHER INFORMATION</b>
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