



# SAFETY DATA SHEET

Preparation Date: 01-Apr-2015

Revision Date: 17-Oct-2023

Version 8

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

**Product Name** AN-TEC LF-6

### Other means of identification

**Item#:** 4959-41

**UN-No** UN3264

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended use** Food contact no rinse sanitizer. Restricted to professional users.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier**

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

### Emergency Telephone Number

Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

### Label Elements

#### **Emergency Overview**

**DANGER**

#### **Hazard Statements**

Causes severe skin burns and eye damage

May cause respiratory irritation.

May cause drowsiness or dizziness

**Appearance** Clear Colorless**Physical state** Liquid**Odor** Pungent**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection.

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Use only outdoors or in a well-ventilated area

Keep only in original container

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician. Specific treatment (see Section 4 on SDS).

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): Remove/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. Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Absorb spillage to prevent material damage.

**Precautionary Statements - Storage**

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Information**

- May be harmful in contact with skin
- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %	Trade Secret
Propionic acid	79-09-4	10 - 20%	*
Capric acid / Decanoic acid	334-48-5	0 - 10%	*
Pelargonic acid / Nonanoic acid	112-05-0	0 - 10%	*
Phosphoric acid	7664-38-2	0 - 10%	*
Sulfuric acid	7664-93-9	0 - 10%	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****FIRST AID MEASURES****Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

	continue flushing for at least 15 minutes. Call a physician immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Ingestion</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

<b>Most Important Symptoms and Effects</b>	According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.
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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. Dry chemical. alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Decomposition by contact with water may generate vapours which can be ignited by heat or open flame.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes.

**Explosion Data****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>	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Keep unprotected persons away.
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**Environmental Precautions**

<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not allow to enter sewers/ surface or ground water.
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**Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.
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## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Ensure good ventilation/exhaustion at the workplace.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage</b>	Keep containers tightly closed and properly labeled. Containers that have been emptied will retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored. FROM EPA LABEL: Do not contaminate water, food or feed by storage or disposal. PESTICIDE STORAGE: Keep container closed when not in use. Do not store below 0 deg F for extended periods of time.
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**Incompatible materials** bases. organic materials. light metals.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Keep out of the reach of children** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Propionic acid 79-09-4	TWA: 10 ppm	TWA: 10 ppm TWA: 30 mg/m <sup>3</sup>	
Phosphoric acid 7664-38-2	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	1000 mg/m <sup>3</sup>
Sulfuric acid 7664-93-9	TWA: 0.2 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

### Individual protection measures, such as personal protective equipment

**Eye/face Protection** Goggles.

**Skin and body protection** No special technical protective measures are necessary.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Pungent
<b>Appearance</b>	Clear Colorless	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		
<b>Property</b>	<b>Values</b>	<b>Remarks/ • Method</b>	
<b>pH</b>	2		
<b>Melting point/freezing point</b>	No information available		
<b>Boiling Point/Range</b>	No information available		
<b>Flash Point</b>	No information available		
<b>Evaporation rate</b>	No information available		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	No information available		
<b>Lower flammability limit</b>	No information available		
<b>Vapor Pressure</b>	No information available		
<b>Vapor Density</b>	No information available		
<b>Specific Gravity</b>	1.16		
<b>Water Solubility</b>	soluble		
<b>Solubility in other solvents</b>	No information available		
<b>Partition coefficient: n-octanol/water</b>	No information available		
<b>Autoignition Temperature</b>	No information available		
<b>Decomposition temperature</b>	No information available		
<b>Viscosity of Product</b>	No information available		
<b>Dynamic viscosity</b>	No information available		
<b>Explosive Properties</b>	No information available		
<b>Oxidizing Properties</b>	No information available		

**Other Information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content</b>	No information available
<b>Density</b>	No information available
<b>Bulk Density</b>	No information available

**10. STABILITY AND REACTIVITY****Reactivity**

No data available

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Gives off hydrogen by reaction with some metals (e.g. aluminum).

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

bases. organic materials. light metals.

**Hazardous decomposition products**

None known.

**11. TOXICOLOGICAL INFORMATION**

<b>Product Information</b>	No data available
<b>Inhalation</b>	Corrosive by inhalation.
<b>Eye contact</b>	Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin Contact</b>	Contact causes severe skin irritation and possible burns.
<b>Ingestion</b>	Causes burns.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propionic acid 79-09-4	= 2600 mg/kg ( Rat )	= 496 mg/kg ( Rabbit )	= 4650 ppm ( Rat ) 8 h
Capric acid / Decanoic acid 334-48-5	= 3320 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
Pelargonic acid / Nonanoic acid 112-05-0	= 5000 mg/kg ( Rat )	= 2000 mg/kg ( Rat )	-
Phosphoric acid 7664-38-2	= 1530 mg/kg ( Rat )	2730 mg/kg ( Rabbit )	850 mg/m <sup>3</sup> ( Rat ) 1 h
Sulfuric acid 7664-93-9	= 2140 mg/kg ( Rat )	-	= 510 mg/m <sup>3</sup> ( Rat ) 2 h

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**Mutagenic effects** No information available.

**Carcinogenicity**

Chemical Name	ACGIH	IARC	NTP	OSHA
Sulfuric acid 7664-93-9	A2	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Sulfuric acid and other mineral acids mist statement The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

**Reproductive Effects** No information available.  
**STOT - single exposure** No information available.  
**STOT-repeated exposure** No information available.  
**Aspiration Hazard** No information available.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity  
 The following values are calculated based on chapter 3.1 of the GHS document .

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

10.8% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Microtox	Waterflea
Propionic acid 79-09-4	45.8: 72 h Desmodesmus subspicatus mg/L EC50 43: 96 h Desmodesmus subspicatus mg/L EC50	1: 96 h Pimephales promelas mg/L LC50 static 73 - 99.7: 96 h Lepomis macrochirus mg/L LC50 static 51: 96 h Oncorhynchus mykiss mg/L LC50 static	EC50 = 59.6 mg/L 17 h	-
Capric acid / Decanoic acid 334-48-5	-	54: 96 h Oryzias latipes mg/L LC50 semi-static	EC50 = 11.2 mg/L 5 min EC50 = 9.0 mg/L 25 min EC50 = 9.31 mg/L 15 min	65: 24 h Daphnia magna mg/L EC50
Pelargonic acid / Nonanoic acid 112-05-0	-	93.4 - 115: 96 h Pimephales promelas mg/L LC50 flow-through 68 - 121: 96 h Oncorhynchus mykiss mg/L LC50 static 105: 96 h Lepomis macrochirus mg/L LC50 static	-	-
Phosphoric acid 7664-38-2	-	3 - 3.5: 96 h Gambusia affinis mg/L LC50	-	4.6: 12 h Daphnia magna mg/L EC50
Sulfuric acid 7664-93-9	-	LC50 42 mg/l 96 h	-	EC50 42.5 mg/L 48 h

### Persistence and degradability

No information available.

### Bioaccumulation/Accumulation

No information available.

Chemical Name	Partition coefficient
Propionic acid 79-09-4	0.25 - 0.33
Capric acid / Decanoic acid 334-48-5	4.09

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

#### **Waste Disposal Method**

Dispose of in accordance with local regulations. Should not be released into the environment. Do not contaminate water, food or feed by storage or disposal. PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of pesticide waste or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Contact manufacturer for recycling/reconditioning of container. For consumer: Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Capacity greater than 5 gallon containers. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat the procedure two more times. Then offer for recycling or reconditioning if available. If not, puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by State and local authorities, burn container. If burned, stay out of smoke.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal.

#### 14. TRANSPORT INFORMATION

**DOT**

<b>UN-No</b>	3264
<b>Proper Shipping Name</b>	Corrosive liquid, acidic, inorganic, n.o.s ( Sulfuric acid, Propionic acid Solution )
<b>Hazard Class</b>	8
<b>Packing Group</b>	II

#### 15. REGULATORY INFORMATION

**International Inventories**

<b>TSCA</b>	TSCA
<b>DSL/NDSL</b>	DSL/NDSL
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Does not Comply
<b>CHINA</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**Federal Regulations**

**SARA 311/312 Hazards**

Serious eye damage or irritation  
 Skin corrosion or irritation  
 Specific target organ toxicity (Single exposure)

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Propionic acid 79-09-4	5000 lb	-	-	X

Phosphoric acid 7664-38-2	5000 lb	-	-	X
Sulfuric acid 7664-93-9	1000 lb	-	-	X

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	RQ	CERCLA EHS RQs	RQ
Propionic acid 79-09-4	5000	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Phosphoric acid 7664-38-2	5000	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Sulfuric acid 7664-93-9	1000	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ

**State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**State Right-to-Know****U.S. EPA Label information****EPA Pesticide registration number**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: KEEP OUT OF REACH OF CHILDREN. PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed or absorbed through the skin or inhaled. Do not get in eyes, on skin or clothing. Avoid breathing vapor or spray mist. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse. Personal Protective Equipment (PPE) Applicators and handlers must wear coveralls over long sleeved shirt and long pants, socks and chemical-resistant footwear, goggles, or face shield and chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, PV, or Viton). PHYSICAL & CHEMICAL HAZARDS: Mix only with water following label directions. Do not mix with chlorinated cleaners or sanitizers. Toxic chlorine gas will be formed. Contact with soft metals may generate hydrogen gas. ENVIRONMENTAL HAZARDS This pesticide is toxic to fish. Keep out of lakes, streams, or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authorities. For guidance contact your State Water Board or Regional Office of the EPA.

**16. OTHER INFORMATION**

<b>NFPA</b>	Health 3	Flammability 2	Instability 0	Physical Hazard -
<b>HMIS</b>	Health 3	Flammability 2	Physical hazards 0	Personal Protection X

Prepared By: lmt

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**Revision Note**

21-Sept-2020-Updated Section 15; 06-Jul-2021 updated Section 2; 17-Oct-2023 review and update.

**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of SDS