

Section 1. Chemical Product and Company Information**Product Identifier****Product Name** AN-TEC 3 PLUS**Other means of identification****Item#:** 82808-10-150**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

Section 2. Hazards Identification

GHS Classification	Category
Acute toxicity (Oral)	: 4
Acute toxicity (Inhalation)	: 4
Acute toxicity (Dermal)	: 4
Skin corrosion	: 1A
Serious eye damage	: 1

GHS Label Element

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: Harmful if swallowed, in contact with skin or if inhaled.
Causes severe skin burns and eye damage.

Precautionary Statements

:

Prevention:

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin

thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection. Do not mix with bleach or other chlorinated products – will cause chlorine gas.

Response:

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

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

Other hazards

: None Known

Section 3. Composition / Information on Ingredients

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration (%)
Propionic Acid	79-09-4	10%
Sulfuric Acid	7664-93-9	12%
Phosphoric Acid	7664-38-2	11%
Decanoic Acid	334-48-5	3.0%
Nonanoic Acid	112-05-0	3.0%

Section 4. First Aid Measures

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention

	immediately.
If swallowed	: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	: Treat symptomatically.

See toxicological information (Section 11)

Section 5. Fire-Fighting Measures

Special protective equipment for fire-fighters	: Use personal protective equipment.
Specific extinguishing methods	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section 7. Handling and Storage

Advice on safe handling	Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions for safe storage	Keep away from strong bases. Keep out of reach of children. Store in suitable labeled containers.
Storage temperature	Above freezing

Section 8. Exposure Controls / Personal Protection

Ingredients	CAS-No.	Form of Exposure	Permissible Concentration	Basis
Phosphoric acid	Phosphoric acid	TWA	1 mg/m ³	ACGIH
		STEL	3 ppm	ACGIH
		TWA	1 mg/m ³	NIOSH REL
		ST	3 mg/m ³	NIOSH REL
		TWA	1 mg/m ³	OSHA Z-1
Sulfuric Acid	7664-93-9	TWA (Thoracic fraction)	0.2 mg/m ³	ACGIH
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		TWA	1 mg/m ³	NIOSH REL
		TWA	1 mg/m ³	OSHA Z1

Personal protective equipment	Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.
Eye protection	: Safety goggles Face-shield
Hand protection	Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection	: Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Respiratory protection	: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Section 9. Physical and Chemical Properties

Appearance : Liquid
Color : Clear
Odor : Pungent
pH : <1.0 (1oz, gal water)
Flash point : Not applicable
Odor Threshold : No data available
Melting point/freezing point : No data available
Initial boiling point and boiling range : 212 F
Evaporation Rate : No data available
Flammability (solid, gas) : No data available
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapor pressure : No data available
Relative vapor density : No data available
Relative density : 1.155
Water solubility : Completely miscible
Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : No data available
Autoignition temperature : No data available
Thermal decomposition : No data available
Viscosity, kinematic : No data available
Explosive properties : No data available

Oxidizing properties	:	No data available
Molecular weight	:	No data available
VOC	:	No data available

Section 10. Stability and Reactivity

Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions to avoid	:	Alkaline Chemicals
Incompatible materials	:	Alkaline, Bases, chlorine releasers
Hazardous decomposition products	:	Thermal - phosphorous pentoxide

Section 11. Toxicological Information

Information on likely routes of exposure	:	Inhalation, Eye contact, Skin contact
Potential Health Effects	:	
Eyes	:	No data available
Skin	:	No data available
Ingestion	:	No data available
Inhalation	:	No data available
Chronic Exposure	:	No data available
Experience with human exposure	:	
Eye contact	:	No data available
Skin contact	:	No data available
Ingestion	:	No data available
Inhalation	:	No data available
Toxicity	:	
Acute oral toxicity	:	Phosphoric acid LD50 Rat: > 2,000 mg/kg Phosphoric acid

	LD50 Rabbit: > 2,000 mg/kg
Acute inhalation toxicity	: No data available
Acute dermal toxicity	: No data available
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitization	: No data available
Carcinogenicity	: No data available
Reproductive effects	: No data available
Germ cell mutagenicity	: No data available
Teratogenicity	: No data available
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration toxicity	: No data available

Section 12. Ecological Information

Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

Product

Toxicity to fish : No data available

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Ingredients

Toxicity to fish : Phosphoric acid
96 h LC50: 75.1 mg/l

Octanoic acid
96 h LC50 Fish: 22 mg/l

Decanoic acid
96 h LC50 Fish: 20 mg/l

Ingredients

Toxicity to daphnia and other aquatic invertebrates : No data available

Persistence and degradability	:	No data available
Bioaccumulative potential	:	No data available
Mobility in soil	:	No data available
Other adverse effects	:	No data available

Section 13. Disposal Considerations

Disposal methods	:	The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
Disposal considerations	:	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste	:	D002 (Corrosive)

Section 14. Transport Information

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

UN number	:	3264
Description of the goods	:	Corrosive liquid, acidic, inorganic, n.o.s. (Propionic Acid , Sulfuric Acid, Phosphoric acid)
Class	:	8
Packing group	:	II
Environmentally hazardous	:	No

Air transport (IATA)

UN number	:	3264
Description of the goods	:	Corrosive liquid, acidic, inorganic, n.o.s. (Propionic Acid , Sulfuric Acid, Phosphoric acid)
Class	:	8
Packing group	:	II

Environmentally hazardous : No

Section 15. Regulatory Information

EPA Registration Number : 82808-3
 EPCRA - Emergency Planning and Community Right-to-Know
CERCLA Reportable Quantity

Ingredients	CAS-No	Component RQ (lbs)	Calculated product RQ (lbs)
Phosphoric Acid	7664-38-2	5000	21011

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

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

SARA 313 : 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.

California Prop 65 : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory : On TSCA Inventory
Canadian Domestic Substances List (DSL) : All components of this product are on the Canadian DSL.
Australia Inventory of Chemical Substances (AICS) : On the inventory, or in compliance with the inventory
New Zealand. Inventory of Chemical Substances : On the inventory, or in compliance with the inventory
Japan. ENCS - Existing and New Chemical Substances Inventory : On the inventory, or in compliance with the inventory
Japan. ENCS - Existing and New Chemical Substances Inventory : On the inventory, or in compliance with the inventory
Japan. ISHL - Inventory of Chemical Substances : On the inventory, or in compliance with the inventory
Korea. Korean Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory
Philippines Inventory of : On the inventory, or in compliance with the inventory

Chemicals and Chemical
Substances (PICCS)
China. Inventory of Existing
Chemical Substances in China
(IECSC)

: On the inventory, or in compliance with the inventory

Section 16. Other Information

<u>NFPA</u>	Health hazards 3	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 3	Flammability 0	Physical hazards 0	Personal protection X

Prepared By	L. Tipka
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Revision Note

New product

Disclaimer

The information provided in this Material 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.

End of Safety Data Sheet