

### Section 1. Chemical Product and Company Information

Product Name : AgroSan Plus Acid Sanitizer  
 Other means of identification : Not applicable  
 Recommended Use : Sanitizer  
 Restrictions on Use : Reserved for industrial and professional use.

Supplier Information : AgroChem Inc.  
 26 Freedom Way  
 Saratoga Springs, NY 12866  
 (518) 226-4850

Date of issue : 12/17/2019  
 EPA Registration No. : 82808-10

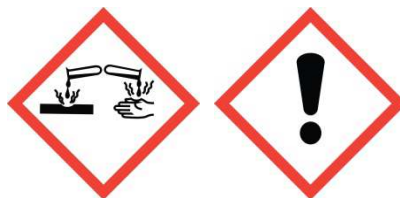
EMERGENCY HEALTH INFORMATION :  
 Outside United States and Canada CALL:

### Section 2. Hazards Identification

<b>GHS Classification</b>	<b>Category</b>
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

# SAFETY DATA SHEET

## AgroSan Plus Acid Sanitizer

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 <sup>3</sup>	ACGIH
		STEL	3 ppm	ACGIH
		TWA	1 mg/m <sup>3</sup>	NIOSH REL
		ST	3 mg/m <sup>3</sup>	NIOSH REL
		TWA	1 mg/m <sup>3</sup>	OSHA Z-1
Sulfuric Acid	7664-93-9	TWA (Thoracic fraction)	0.2 mg/m <sup>3</sup>	ACGIH
Sulfuric Acid	7664-93-9	TWA (Thoracic fraction)	0.2 mg/m <sup>3</sup>	ACGIH
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		TWA	1 mg/m <sup>3</sup>	NIOSH REL
		TWA	1 mg/m <sup>3</sup>	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

<b>Persistence and degradability</b>	:	No data available
<b>Bioaccumulative potential</b>	:	No data available
<b>Mobility in soil</b>	:	No data available
<b>Other adverse effects</b>	:	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

<b>Section 15. Regulatory Information</b>
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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.

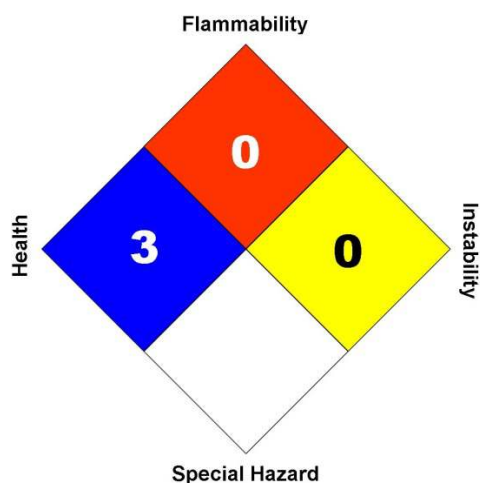
The ingredients of this product are reported in the following inventories:

- 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



HMIS III:

<b>HEALTH</b>	<b>3</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = Not Significant, 1 = Slight  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date : 12/17/2019  
Version : 1.0  
Prepared by : RJD

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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.