

Section 1. Identification

1.1 Identification

Product form Acidigrow 0-20-6

Other means of identification None Known

1.2 Use of the Substance/Mixture

Fertilizer

Recommended restrictions

None Known

1.3 Manufacturer/Importer/Supplier/Distributor information

Mar Vista Resources
745 North Avenue
P.O. Box 218
Corcoran, CA 93212 - USA
T 559-992-4535

1.4 Emergency phone number

Emergency number Chemtrec - 24 hour Emergency Response (800) 262-8200

Section 2 Hazard(s) identification

2.1 Classification of the substance or mixture

GHS-US classification

Health hazards	Acute Toxicity: Oral Category 4	H302	Toxic Category 4
	Skin Corrosion/Irritation, Category 1A	H314	Causes severe skin burns and eye damage

For full text of H statements see section 16

2.2 GHS Label elements, including precaution statements

Hazard Pictograms (GHS-US)



Signal word

Danger

Hazard statements (GHS-US)

H314 - Causes severe skin burns and eye damage

H302 - Harmful if swallowed

Precautionary statements

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood P264 - Wash skin thoroughly after handling

P280 - Wear eye protection, protective clothing, protective gloves P302+P352 - If on skin: Wash with plenty of the water. See first aid section

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 - Rinse mouth.

P280 - Wear eye protection, protective clothing, protective gloves P302+P352 - If on skin: Wash with plenty of the first aid section

P202 - Do not handle until all safety precautions have been read and understood P264 - Wash skin thoroughly after handling

P321 - Specific treatment (see the first aid section on this label)

P264 - Wash skin thoroughly after handling

P332+P313 - If skin irritation occurs: Get medical advice/attention

P337+P313 - If eye irritation persists: Get medical advice/attention

P362+P364 - Take off contaminated clothing and wash it before reuse P403+P235 - Store in a well-ventilated place. Keep cool.

Potential Health Effects	Repeated contact may cause corneal damage.
(Acute and Chronic):	Effects may be delayed. None.
Inhalation:	Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. Aspiration may lead to pulmonary edema. May cause systemic effects. No hazard expected in normal industrial use. Causes respiratory tract irritation. May be harmful if inhaled.
Skin Contact:	Contact with liquid is corrosive and causes severe burns and ulceration. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color. Causes skin irritation. May be harmful if absorbed through the skin.
Eye Contact:	Contact with liquid is corrosive to the eyes and causes severe burns. Causes eye irritation. May cause chemical conjunctivitis
Ingestion:	Causes gastrointestinal tract burns. No hazard expected in normal industrial use. May cause irritation of the digestive tract. May be harmful if swallowed.

2.3 Other hazards which do not result in classification

Environmental hazards	Not classified.
OSHA defined hazards	This material is classified as hazardous under OSHA regulations

Section 3 : Composition/information on ingredients

3.1 Substances

Not Applicable

3.2 Mixtures

Chemical name	CAS number	%	GHS-US Classification
Phosphoric Acid	7664-38-2	24 - 28	Acute Tox, 4 (Oral), H302, Eye/Skin Dam. 1, H314
Other components below reportable levels		72 - 76	

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4: First-Aid measures

4.1 Description of First-aid measures

First-aid measures general	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after inhalation	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after skin contact	Rinse eyes with water as a precaution. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	If you feel unwell, seek medical advice. Call a poison center/doctor/physician if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

Symptoms/injuries after inhalation	Remove from exposure and move to fresh air immediately.
Symptoms/injuries after skin contact	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse. No specific treatment is necessary, since this material is not likely to be hazardous. Get medical aid.
Symptoms/injuries after eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately. No specific treatment is necessary, since this material is not likely to be hazardous. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Symptoms/injuries after ingestion	Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. No specific treatment is necessary, since this material is expected to be non-hazardous. Get medical aid. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
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Section 5: Fire-Fighting measures.

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Specific hazards arising from the chemical

Fire hazard	None
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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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Section 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : NO open flames, NO sparks, and NO smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental Precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Wash thoroughly after handling.

Hygiene measures : Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.

Storage area : Store in a cool, dry place.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Phosphoric Acid (CAS 7664-38-2)		
ACGIH	ACGIH TWA/STEL (mg/m ³)	1 mg/m3 (TWA) 3 (mg/m3 STEL)
OSHA Table Z-1 Limits for Air Contaminants	TWA	1mg/m3
NIOSH	IDLH	1000 mg/m3
NIOSH	TWA/STEL	1 mg/m3 (TWA) 3 (mg/m3 STEL)

8.2. Appropriate engineering controls

Appropriate engineering controls Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Environmental exposure controls Safety shower and eye bath. Use with adequate ventilation

8.3 Individual protection measures/Personal protective equipment

Hand protection: Protective gloves

Eye protection: Safety glasses, splash goggles

Skin and body protection: Wear suitable protective clothing

Respiratory protection: Wear respiratory protection

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid

Form Liquid

Color Light Lime Green

Odor Not available.

Odor threshold Not available.

pH 1.5 to 2.0

Melting point/freezing point Not available.

Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	Not available.
Solubility (water)	Miscible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

9.2 Other information

Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pounds per gallon	10.45
Specific Gravity	1.25 - 1.30

SECTION 10: Stability and reactivity

10.1 Reactivity

Avoid contact with strong bases. The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Strong bases, Strong oxidizing agents, Strong reducing agents, Water, None known.

10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

Oxides of Phosphorus, Phosphines, Carbon monoxide.

11.1 Information on toxicological effects

Acute toxicity (oral)	LD50 Rat	4590 mg/kg
Acute toxicity (dermal)	LD50 Rabbit	8190 mg/kg
Acute toxicity (inhalation)	LC50 rat (mg/l)	>2450 mg/m3 (Exposure time: 1 hour)
Skin corrosion/irritation	Causes severe skin corrosion	
Serious eye damage/irritation	Causes serious eye damage	pH: 1.0 - 1.5
Respiratory or skin sensitization	Causes serious skin corrosion	
Germ cell mutagenicity	Not classified	
Carcinogenicity	Not classified	
Reproductive toxicity	Not classified	
Specific target organ toxicity – single exposure	Not classified	
Specific target organ toxicity – repeated exposure	Not classified	
Aspiration hazard	Not classified	
Viscosity, kinematic	No data available	

Symptoms/injuries after inhalation	May cause slight irritation.
Symptoms/injuries after skin contact	May cause severe irritation to the skin.
Symptoms/injuries after eye contact	May cause severe eye irritation.
Symptoms/injuries after ingestion	May cause gastrointestinal discomfort.

Section 12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal considerations

13.1 Disposal methods

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/containers in accordance with local/regional/national/international regulations.

Section 14: Transportation information

Department of Transportation (DOT)

In accordance with DOT

Proper Shipping Name	Phosphoric Acid	
DOT Hazard Class; 8 Corrosive	UN/NA Number: UN1805	Packing Group III

Hazard labels (DOT)



	: None
Emergency Response Guide (ERG) Number	: 154
Other Information	: No supplementary information available
TDG	: Not Applicable
Transport by sea	: Not Regulated
Air transport	: Not Regulated

SECTION 15: Regulatory information

15.1 US Federal Regulations

All components are listed on or exempted from the U.S. EPA TSCA Inventory List. This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Listed
CERCLA Hazardous Substance List (40 CFR 302.4)	Listed: Phosphoric Acid CAS 7664-38-2
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not regulated.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard categories	Immediate Hazard - yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazardous substance	Not listed.
SARA 311/312 Hazardous Chemical	Immediate (acute) health hazard
SARA 313 (TRI reporting)	Not listed.

15.2 Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated.

Safe Drinking Water Act (SWDA)

Not regulated.

US state regulations

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Other information, including date of preparation or last revision

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Full text of H-phrases:

H314 Causes severe skin burns and eye damage
H302 Harmful if swallowed

Issue date 2/05/2021

Version # 1

NFPA ratings Health: 3

Flammability: 0

Instability: 0

NFPA ratings



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