

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Mixture  
**Product Name:** AcidipHy Granular  
**Product Code:** ACIDG

### 1.2. Intended Use of the Product

Professional Use

### 1.3. Name, Address, and Telephone of the Responsible Party

AQUA-AID, Inc. dba AQUA-AID Solutions  
 5484 S Old Carriage Road  
 Rocky Mount, NC 27803  
 USA  
 T: 252-937-4107

Website: [www.aquaaid.com](http://www.aquaaid.com)

email: [info@aquaid.com](mailto:info@aquaid.com)

### 1.4. Emergency Telephone Number

**Emergency Number** : VelocityEHS  
 (800)255-3924 (North America)  
 +1 (813)248-0585 (International)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### GHS-US/CA Classification

Skin corrosion/irritation Category 2	H315
Serious eye damage/eye irritation Category 2	H320
Specific Target Organ Toxicity – Single Exposure Category 3	H335
Hazardous to the aquatic environment – Acute Hazard Category 3	H402

### 2.2. Label Elements

#### GHS-US/CA Labeling

#### Hazard Pictograms (GHS-US/CA)



#### Signal Word (GHS-US/CA)

: Warning

#### Hazard Statements (GHS-US/CA)

: H315+H320 - Causes skin and eye irritation.  
 H335 - May cause respiratory irritation.  
 H402 - Harmful to aquatic life.

#### Precautionary Statements (GHS-US/CA)

: P261 - Avoid breathing dust.  
 P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P280 - Wear protective gloves, protective clothing, and eye protection.  
 P302+P352 - IF ON SKIN: Wash with plenty of water.  
 P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 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+P233 - Store in a well-ventilated place. Keep container tightly closed.

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P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

### 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### 2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product Identifier	% *	GHS Ingredient Classification
Hydrochloric acid	(CAS-No.) 7647-01-0	< 3	Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 2, H401
Phosphoric acid	(CAS-No.) 7664-38-2	< 3	Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402
Manganese sulfate monohydrate	(CAS-No.) 10034-96-5	< 1	Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Chronic 2, H411
Oxalic acid	(CAS-No.) 144-62-7	< 1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Quartz (Crystalline silica)	(CAS-No.) 14808-60-7	< 5	STOT SE 3, H335

Full text of H-statements: see section 16

\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** Using proper respiratory protection, immediately move the exposed person to fresh air. Encourage exposed person to cough, spit out, and blow nose to remove dust. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** Causes skin and eye irritation.

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. Skin contact with large amounts of dust may cause mechanical irritation.

**Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva. Eye contact with dust may cause mechanical irritation.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None known.

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### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** None.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable.

**Explosion Hazard:** No unusual fire or explosion hazards noted.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). Phosphorus oxides. Chlorides.

### 5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Avoid generating dust.

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Avoid generation of dust during clean-up of spills. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Keep dust levels to a minimum and follow applicable regulations.

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust. Avoid creating or spreading dust.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations. Avoid creating or spreading dust.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

Professional Use

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

<b>Oxalic acid (144-62-7)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA	1 mg/m <sup>3</sup>
<b>USA ACGIH</b>	ACGIH OEL STEL	2 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	1 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA)	1 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (STEL)	2 mg/m <sup>3</sup>
<b>USA IDLH</b>	IDLH	500 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL	2 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>British Columbia</b>	OEL STEL	2 mg/m <sup>3</sup> (anhydrous)
<b>British Columbia</b>	OEL TWA	1 mg/m <sup>3</sup> (anhydrous)
<b>Manitoba</b>	OEL STEL	2 mg/m <sup>3</sup>
<b>Manitoba</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL	2 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Newfoundland &amp; Labrador</b>	OEL STEL	2 mg/m <sup>3</sup>
<b>Newfoundland &amp; Labrador</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Nova Scotia</b>	OEL STEL	2 mg/m <sup>3</sup>
<b>Nova Scotia</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL STEL	2 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL STEL	2 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Ontario</b>	OEL STEL	2 mg/m <sup>3</sup> (Oxalic acid, anhydrous)
<b>Ontario</b>	OEL TWA	1 mg/m <sup>3</sup> (Oxalic acid, anhydrous)
<b>Prince Edward Island</b>	OEL STEL	2 mg/m <sup>3</sup>
<b>Prince Edward Island</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Québec</b>	VECD (OEL STEV)	2 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (OEL TWA EV)	1 mg/m <sup>3</sup>
<b>Saskatchewan</b>	OEL STEL	2 mg/m <sup>3</sup>
<b>Saskatchewan</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL	2 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Hydrochloric acid (7647-01-0)</b>		
<b>USA ACGIH</b>	ACGIH OEL Ceiling [ppm]	2 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen
<b>USA OSHA</b>	OSHA PEL (Ceiling)	7 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL C [ppm]	5 ppm
<b>USA NIOSH</b>	NIOSH REL (Ceiling)	7 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL C [ppm]	5 ppm
<b>USA IDLH</b>	IDLH [ppm]	50 ppm
<b>Alberta</b>	OEL C	3 mg/m <sup>3</sup>
<b>Alberta</b>	OEL C	2 ppm
<b>British Columbia</b>	OEL C	2 ppm
<b>Manitoba</b>	OEL C	2 ppm
<b>New Brunswick</b>	OEL C	2 ppm

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<b>Newfoundland &amp; Labrador</b>	OEL C	2 ppm
<b>Nova Scotia</b>	OEL C	2 ppm
<b>Nunavut</b>	OEL C	2 ppm
<b>Northwest Territories</b>	OEL C	2 ppm
<b>Ontario</b>	OEL C	2 ppm
<b>Prince Edward Island</b>	OEL C	2 ppm
<b>Québec</b>	Plafond (OEL C)	2 ppm
<b>Saskatchewan</b>	OEL C	2 ppm
<b>Yukon</b>	OEL C	7 mg/m <sup>3</sup>
<b>Yukon</b>	OEL C	5 ppm
<b>Phosphoric acid (7664-38-2)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA	1 mg/m <sup>3</sup>
<b>USA ACGIH</b>	ACGIH OEL STEL	3 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	1 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA)	1 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (STEL)	3 mg/m <sup>3</sup>
<b>USA IDLH</b>	IDLH	1000 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>British Columbia</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>British Columbia</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Manitoba</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>Manitoba</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Newfoundland &amp; Labrador</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>Newfoundland &amp; Labrador</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Nova Scotia</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>Nova Scotia</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Ontario</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>Ontario</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Prince Edward Island</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>Prince Edward Island</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Québec</b>	VECD (OEL STEV)	3 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (OEL TWA EV)	1 mg/m <sup>3</sup>
<b>Saskatchewan</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>Saskatchewan</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL	3 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA	1 mg/m <sup>3</sup>
<b>Quartz (14808-60-7)</b>		
<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable particulate matter)
<b>USA ACGIH</b>	ACGIH chemical category	A2 - Suspected Human Carcinogen
<b>USA OSHA/ CAL OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	50 µg/m <sup>3</sup>
<b>USA OSHA/CAL OSHA</b>	OSHA Action Level	25 µg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (respirable dust)
<b>USA IDLH</b>	US IDLH (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup> (respirable dust)
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable particulate)
<b>British Columbia</b>	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable)

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Manitoba	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable particulate matter)
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable particulate matter)
Newfoundland & Labrador	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable particulate matter)
Nova Scotia	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable particulate matter)
Nunavut	OEL TWA (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (respirable fraction)
Northwest Territories	OEL TWA (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (respirable fraction)
Ontario	OEL TWA (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (respirable)
Prince Edward Island	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable particulate matter)
Québec	VEMP (mg/m <sup>3</sup> )	0.1 mg/m <sup>3</sup> (respirable dust)
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup> (respirable fraction)
Yukon	OEL TWA (mg/m <sup>3</sup> )	300 particle/mL
Mexico	NOM-010-STPS-2014	0.025 mg/ m <sup>3</sup> (respirable dust)

### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear protective gloves.

**Eye and Face Protection:** Chemical safety goggles or safety glasses with side shields.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: Tan
Odor	: Mild
Odor Threshold	: No data available
pH	: 3 – 5
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Lower Flammable Limit	: No data available
Upper Flammable Limit	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Density	: 0.658 g/cm <sup>3</sup> (41.130 lb/ft <sup>3</sup> )
Specific Gravity	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available

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Viscosity : No data available

### SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials. Avoid creating or spreading dust.
- 10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). Phosphorus oxides. Chlorides.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on Toxicological Effects - Product

**Likely routes of exposure:** Dermal, Eye Contact, Inhalation, Oral.

**Acute Toxicity (Oral):** Not classified.

**Acute Toxicity (Dermal):** Not classified.

**Acute Toxicity (Inhalation):**

**LD50 and LC50 Data:**

No additional information available

**Skin Corrosion/Irritation:** Causes skin irritation.

**pH:** 3 - 5

**Eye Damage/Irritation:** Causes eye irritation.

**pH:** 3 - 5

**Respiratory or Skin Sensitization:** Not classified.

**Germ Cell Mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified.

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** Not classified.

**Aspiration Hazard:** Not classified.

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. Skin contact with large amounts of dust may cause mechanical irritation.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva. Eye contact with dust may cause mechanical irritation.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None known.

#### 11.2. Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

<b>Oxalic acid (144-62-7)</b>	
LD50 Oral Rat	375 mg/kg (Source: JAPAN_GHS)
LD50 Dermal Rat	20000 mg/kg (Source: JAPAN_GHS)
<b>Hydrochloric acid (7647-01-0)</b>	
LD50 Oral Rat	238 – 277 mg/kg (Source: JAPAN_GHS)
LD50 Dermal Rabbit	> 5010 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation Rat	1.68 mg/l (Exposure time: 1 h Source: JAPAN_GHS)
<b>Phosphoric acid (7664-38-2)</b>	
LD50 Oral Rat	2600 mg/kg (1.7 ml/kg of 75% solution)
LD50 Dermal Rabbit	2740 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation Rat	> (Exposure time: 1 h)
<b>Hydrochloric acid (7647-01-0)</b>	
IARC Group	3
<b>Quartz (14808-60-7)</b>	

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LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 5000 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - General: Harmful to aquatic life.

Oxalic acid (144-62-7)	
LC50 Fish 1	27 mg/l
EC50 - Crustacea [1]	125 – 150 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
NOEC Chronic Crustacea	9.3 mg/l
NOEC Chronic Algae	9.4 mg/l
Hydrochloric acid (7647-01-0)	
LC50 Fish 1	7.45 mg/l (Species: Oncorhynchus mykiss - Exposure time: 96h)
Phosphoric acid (7664-38-2)	
LC50 Fish 1	75.1 mg/l

### 12.2. Persistence and Degradability

AcidipHy Granular	
Persistence and Degradability	Not established.

### 12.3. Bioaccumulative Potential

AcidipHy Granular	
Bioaccumulative Potential	Not established.
Oxalic acid (144-62-7)	
BCF Fish 1	(no bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	-1.7 at 23 °C / 73.4 °F (at pH <2)

### 12.4. Mobility in Soil

No additional information available

### 12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Sewage Disposal Recommendations:** Do not dispose of waste into sewer. Do not empty into drains.

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

- 14.1. In Accordance with DOT Not regulated for transport
- 14.2. In Accordance with IMDG Not regulated for transport
- 14.3. In Accordance with IATA Not regulated for transport
- 14.4. In Accordance with TDG Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

AcidipHy Granular	
SARA Section 311/312 Hazard Classes	Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation Health hazard - Specific target organ toxicity (single or repeated exposure)
Oxalic acid (144-62-7)	

# AcidipHy Granular

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Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Hydrochloric acid (7647-01-0)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	5000 lb
<b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>	500 lb (gas only)
<b>SARA Section 313 - Emission Reporting</b>	1 % (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)
<b>Phosphoric acid (7664-38-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>CERCLA RQ</b>	5000 lb
<b>Quartz (14808-60-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

### 15.2. US State Regulations

<b>Oxalic acid (144-62-7)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
<b>Hydrochloric acid (7647-01-0)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
<b>Phosphoric acid (7664-38-2)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### California Proposition 65

 **WARNING:** This product can expose you to chemicals including Silica, crystalline (airborne particles of respirable size), which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Quartz (14808-60-7)	X			

### 15.3. Canadian Regulations

<b>Oxalic acid (144-62-7)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Hydrochloric acid (7647-01-0)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Phosphoric acid (7664-38-2)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Quartz (14808-60-7)</b>
Listed on the Canadian DSL (Domestic Substances List)

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 12/15/2024

# AcidipHy Granular

## Safety Data Sheet

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### Other Information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

### GHS Full Text Phrases:

H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

### Glossary of Data Source Abbreviations

ATSDR: Agency for Toxic Substances and Disease Registry (U.S. Department of Health and Human Services)

AU\_WES: Australia WES

CHEMVIEW: ChemView (U.S. Environmental Protection Agency)

EC\_RAR: European Commission Renewal Assessment Report

EC\_SCOEL: European Commission Scientific Committee on Occupational Exposure Limits

ECETOC: European Centre for Ecotoxicology and Toxicology of Chemicals Reports

ECHA\_API: European Chemicals Agency API

ECHA\_RAC: ECHA Committee for Risk Assessment

EFSA: European Food Safety Authority

EPA: U.S. Environmental Protection Agency

EPA\_AEGL: Acute Exposure Guideline Levels (U.S. Environmental Protection Agency)

EPA\_FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act Reregistration Eligibility Decision (U.S. Environmental Protection Agency)

EPA\_HPVC: High Production Volume Chemicals (U.S. Environmental Protection Agency)

EPA\_TRED: Risk Assessment for Tolerance Reassessment Eligibility Decision (U.S. Environmental Protection Agency)

EU\_CLH: European Union Harmonised Classification and Labelling Proposal

EU\_RAR: European Union Risk Assessment Report

FOOD\_JOURN: Food Research Journal (1956)

IARC: The International Agency for Research on Cancer

IDLH: National Institute for Occupational Health and Safety Immediately Dangerous to Life or Health Value Profiles

IUCLID: International Uniform Chemical Information Database

JAPAN\_GHS: Japan GHS Basis for Classification Data

JP\_J-CHECK: Japan J-Check

KR\_NIER: South Korea National Institute of Environmental Research Evaluations

NICNAS: Australia National Industrial Chemicals Notification and Assessment Scheme

NIOSH: National Institute for Occupational Health and Safety (U.S. Department of Health and Human Services)

NLM\_CIP: National Library of Medicine ChemID plus database

NLM\_HSUB: National Library of Medicine Hazardous Substance Data Bank

NLM\_PUBMED: National Library of Medicine PubMed database

NTP: National Toxicology Program

NZ\_CCID: New Zealand Chemical Classification and Information Database

OECD\_EHSP: Environment, Health, and Safety Publication (Organisation for Economic Co-operation and Development)

OECD\_SIDS: Screening Information Data Sets (Organisation for Economic Co-operation and Development)

WHO: World Health Organization

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

NA GHS SDS 2015 (Can, US)