

# Material Safety Data Sheet

## AcidipHy Granular

Version 1.0

MSDS Number:  
000000855921005197

Revision Date: 2015/01/01

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : AcidipHy Granular  
Product code : ACIG

#### Manufacturer or supplier's details



Company name of supplier : AQUA-AID, Inc.  
Address : 5484 S. Old Carriage Road  
Rocky Mount, NC 27803  
Telephone : +1-252-937-4107  
E-mail address : [info@aquaaaid.com](mailto:info@aquaaaid.com)  
Emergency telephone number : In case of emergency call CHEMTREC US: 1-800-424-9300,  
CHEMTREC WORLD: 1-703-527-3887.

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

Recommended use : Intermediate

### SECTION 2. HAZARDS IDENTIFICATION


#### Emergency Overview

Physical state	granular solid
Colour	Tan
Odour	Mild
Hazard Summary	No information available.

#### GHS Classification

Skin corrosion/irritation : Category 2  
Serious eye damage/eye irritation : Category 2A  
STOT SE : Category 3

#### GHS Label element

Hazard pictograms : 

Signal word : Warning

Hazard statements : H315 Causes skin irritation.  
H319 Causes severe eye irritation.  
H335 May cause respiratory irritation.

Precautionary statements : **Prevention:**

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P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear eye protection/ face protection.

### Response:

P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.  
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 Take off contaminated clothing and wash before reuse.

### Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.

### Disposal:

P501 Dispose of contents/container in accordance with local/ regional/national/international regulations.

## Potential Health Effects

Crystalline Silica (Quartz) [EPA Hazard Category: Health]

### Carcinogenicity:

<b>IARC</b>	Yes.
<b>ACGIH</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
<b>NTP</b>	Yes (respirable).

This product contains up to 5% crystalline silica. The International Agency for Research on Cancer (IARC) has stated that there is sufficient evidence of carcinogenicity of crystalline silica to human beings. It was noted that carcinogenicity was not detected in all industrial circumstances studied. The NTP's Sixth Annual Report on Carcinogens includes respirable crystalline silica. The Hazard Communication Standard (29CFR 1910.1200) requires that any material containing over 0.1% of a substance reported as a carcinogen in an IARC monograph or the most recent NTP Annual Report on Carcinogens must be identified as a carcinogen. These identifications are for hazard communications only and do not serve as assessments of carcinogenic risk. Crystalline silica is known to cause silicosis. At dust levels below the recommended PEL exposure to the crystalline silica contained in this product should not present a health hazard.

Inhalation of excessive concentrations of any dust, including this material, may lead to lung injury. As formulated, this product is not expected to form appreciable respirable crystalline silica dust from use or attrition. Because application and exposure data indicate exposure to respirable quartz in the normal use of the ingredient within this product which contains crystalline silica, is well below the OSHA Permissible Exposure Limit (PEL) and ACGIH Threshold Limit Value (TLV). Adverse effects would not be expected from normal use of this product.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Substance / Mixture : Mixture

### Hazardous components

Chemical Name	CAS-No.	Concentration (%)
Silica, Crystalline Quartz	14808-60-7	≥ 3 - < 5
Hydrochloric acid	7647-01-0	≥ 1 - < 3
Phosphoric acid	7664-38-2	≥ 1 - < 3
Oxalic acid	144-62-7	≥ 0.1 - < 1
Calcium Lignosulfonate	8061-52-7	≥ 0.1 - < 1

### SECTION 4. FIRST AID MEASURES

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific extinguishing methods : None.
- Further information : Standard procedure for chemical fires.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Environmental precautions : No special environmental precautions required.
- Methods and materials for containment and cleaning up : Sweep or shovel into suitable containers. Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : For personal protection see section 8.  
No special handling advice required.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

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Materials to avoid : No special restrictions on storage with other products.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Component	CAS-No.	Value	Control Parameters	Basis
Silica, Crystalline	14808-60-7	PEL	10 mg/m <sup>3</sup>	USA. Permissible Exposure Limits (OSHA)
		TWA	0.05 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Value (TLV)
Hydrochloric acid	7647-01-0	C	2 ppm	USA. ACGIH Threshold Limit Value (TLV)
		C	5 ppm 7 mg/m <sup>3</sup>	USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
Phosphoric acid	7664-38-2	TWA	1 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Value (TLV)
		STEL	3 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Value (TLV)
Oxalic acid	144-62-7	TWA	1 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Value (TLV)
		STEL	2 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Value (TLV)

Exposure Limits refer to the respirable fraction.

PEL = OSHA Permissible Exposure Limit.

TLV = American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value.

TWA = 8 hour Time Weighted Average.

#### Personal protective equipment

Respiratory protection : If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH- approved dust respirators.

Hand protection : For prolonged or repeated contact use protective gloves.

Eye protection : If high dust concentrations exist, tight-fitting goggles are recommended to reduce dust exposure to the eyes.

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : granules

Colour : tan

Odour : mild

pH : 3 – 5

Density (25°C) : 0.60 g/cm<sup>3</sup> (37.45 lb/ft<sup>3</sup>)

Solubility(ies)

Water solubility – Carrier : insoluble

Surfactant : soluble

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.

Chemical stability : No decomposition if stored and applied as directed.

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Possibility of hazardous reactions : No hazards to be specially mentioned.

Conditions to avoid : no data available

### SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** : Not classified based on available information.

**Skin corrosion/irritation** : Causes skin irritation.

**Serious eye damage/eye irritation** : Causes eye irritation.

**Respiratory or skin sensitisation** : Not classified based on available information.

**Germ cell mutagenicity** : Not classified based on available information.

**Carcinogenicity** : Not classified based on available information.

**Reproductive toxicity** : Not classified based on available information.

**STOT - single exposure** : May cause respiratory irritation.

**STOT - repeated exposure** : Not classified based on available information.

**Aspiration toxicity** : Not classified based on available information.

**Further information**

**Product:**

Remarks: no data available

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity** : 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

**Product:**

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological Information : There is no data available for this product.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Waste from residues : Offer surplus and non-recyclable solutions to a licensed disposal company.

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Contaminated packaging : Empty remaining contents.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.

### SECTION 14. TRANSPORT INFORMATION

#### International regulation

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

#### Special precautions for user

Not applicable

### SECTION 15. REGULATORY INFORMATION

**OSHA Hazards** : Skin irritant, Eye irritant

#### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

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

**SARA 311/312 Hazards** : No SARA Hazards

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

**SARA 313** : 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.

#### Massachusetts Right To Know Components

	CAS-No.
Hydrochloric acid	7647-01-0
Phosphoric acid	7664-38-2
Oxalic acid	144-62-7

#### Pennsylvania Right To Know Components

	CAS-No.
Hydrochloric acid	7647-01-0
Phosphoric acid	7664-38-2
Oxalic acid	144-62-7

#### New Jersey Right To Know Components

	CAS-No.
Hydrochloric acid	7647-01-0
Phosphoric acid	7664-38-2
Oxalic acid	144-62-7

#### Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMl Intermediate or Final VOC's (40 CFR 60.489).

#### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

#### OSHA Process Safety Management Lists

This product does not contain any hazardous materials listed under OSHA's process safety management of highly hazardous chemicals.

#### California Prop 65

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

**Additional information is available by request. ( [info@aquaid.com](mailto:info@aquaid.com) )**

## SECTION 16. OTHER INFORMATION

#### Further information

Please Note: The information is furnished without warranty, representation, inducement or license of any kind, except that it is accurate to the best of AQUA-AID's knowledge. Because use conditions and applicable laws may differ from one location to another and may change with time, recipient is responsible for determining whether the information is appropriate for recipient's use. Since AQUA-AID has no control over how this information may be ultimately used, all liability is expressly disclaimed and AQUA-AID assumes no liability.