



# ALPINE G22®

## Safety Data Sheet

According To The Hazardous Products Regulation (February 11, 2015).  
Date of Issue: 03/12/2019

Version: 1.0

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** ALPINE G22®

**Synonyms:** 6-22-2

#### 1.2. Intended Use of the Product

Agriculture.

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

##### Company

Nachurs Alpine Solutions

30 Neville Street

New Hamburg, ON N3A 4G7 CANADA

1-519-662-2352

#### 1.4. Emergency Telephone Number

**Emergency Number** : 1-877-324-4402 (I TECH) CHEMTREC PHONE: 1-800-424-9300 (US) CANUTEC: 1-613-996- 6666 (CANADA)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### GHS-CA Classification

Acute Tox. 4 (Oral) H302

Eye Irrit. 2A H319

Full text of hazard classes and H-statements : see section 16

#### 2.2. Label Elements

##### GHS-CA Labeling

**Hazard Pictograms (GHS-CA)** :



GHS07

**Signal Word (GHS-CA)** : Warning

**Hazard Statements (GHS-CA)** : H302 - Harmful if swallowed.

H319 - Causes serious eye irritation.

**Precautionary Statements (GHS-CA)** : P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves, protective clothing, and eye protection.

P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor 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.

P330 - Rinse mouth.

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

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-CA)** Not available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

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### 3.2. Mixture

| Name                   | Synonyms                             | Product Identifier   | % *     | GHS Ingredient Classification                    |
|------------------------|--------------------------------------|----------------------|---------|--|
| Ammonium polyphosphate | Polyphosphoric acids, ammonium salts | (CAS-No.) 68333-79-9 | 15 - 40 | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2A, H319 |

Full text of H-phrases: 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%).

\*\* The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17.

## 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:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**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.

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

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

**General:** Causes serious eye irritation. Harmful if swallowed.

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** Prolonged exposure may cause skin irritation.

**Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Ingestion:** This material is harmful orally and can cause adverse health effects or death in significant amounts.

**Chronic Symptoms:** None expected under normal conditions of use.

### 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:** Water spray, dry chemical, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

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

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**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:** Ammonia. Phosphorous oxides.

#### 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:** Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

#### 6.1.1. For Non-Emergency Personnel

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

**Emergency Procedures:** Evacuate unnecessary personnel.

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## 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.

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

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a 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:** Handle in accordance with standard industrial practices, and ensure appropriate usage.

**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 breathing vapors, mist, spray. Handle empty containers with care because they may still present a hazard. Do not get in eyes, on skin, or on clothing.

**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.

**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)

Agriculture.

## 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.

### 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.



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

**Hand Protection:** Wear protective gloves.

**Eye and Face Protection:** Chemical safety goggles.

**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.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|  |                  |
|--|------------------|
| Physical State                         | : Liquid         |
| Appearance                             | : Not available  |
| Odor                                   | : Not available  |
| Odor Threshold                         | : Not available  |
| pH                                     | : 6.4-6.6        |
| Evaporation Rate                       | : Not available  |
| Melting Point                          | : Not available  |
| Freezing Point                         | : Not available  |
| Boiling Point                          | : Not available  |
| Flash Point                            | : Not available  |
| Auto-ignition Temperature              | : Not available  |
| Decomposition Temperature              | : Not available  |
| Flammability (solid, gas)              | : Not applicable |
| Lower Flammable Limit                  | : Not available  |
| Upper Flammable Limit                  | : Not available  |
| Vapor Pressure                         | : Not available  |
| Relative Vapor Density at 20°C         | : Not available  |
| Relative Density                       | : Not available  |
| Density                                | : 1.28 kg/L      |
| Specific Gravity                       | : 1.28           |
| Solubility                             | : Not available  |
| Partition Coefficient: N-Octanol/Water | : Not available  |
| Viscosity                              | : Not 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.
- 10.5. **Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6. **Hazardous Decomposition Products:** None expected under normal conditions of use.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects - Product

**Acute Toxicity (Oral):** Oral: Harmful if swallowed.

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

**Acute Toxicity (Inhalation):** Not classified

**LD50 and LC50 Data:**

|               |                          |
|---------------|--------------------------|
| ALPINE G22®   |                          |
| ATE CA (oral) | 811.40 mg/kg body weight |

**Skin Corrosion/Irritation:** Not classified

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

**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 (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

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

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation.

**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Symptoms/Injuries After Ingestion:** This material is harmful orally and can cause adverse health effects or death in significant amounts.

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

LD50 and LC50 Data:

| Ammonium polyphosphate (68333-79-9) |                          |
|-------------------------------------|--------------------------|
| LD50 Oral Rat                       | 300 - 2000 mg/kg         |
| ATE CA (oral)                       | 300.00 mg/kg body weight |

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General:** Not classified.

| Ammonium polyphosphate (68333-79-9) |  |
|-------------------------------------|--|
| LC50 Fish 1                         | > 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])       |
| LC50 Fish 2                         | 123 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through]) |

### 12.2. Persistence and Degradability

| ALPINE G22®                   |                  |
|-------------------------------|------------------|
| Persistence and Degradability | Not established. |

### 12.3. Bioaccumulative Potential

| ALPINE G22®               |                  |
|---------------------------|------------------|
| Bioaccumulative Potential | Not established. |

### 12.4. Mobility in Soil Not available

### 12.5. Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Destroy and dispose of in accordance with applicable local, state, provincial, territorial, federal and international regulations.

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology - Waste Materials:** Avoid release to the environment.

## 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. Canadian Regulations

| Ammonium polyphosphate (68333-79-9)                   |  |
|---|--|
| 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** : 03/12/2019

**Other Information** : This document has been prepared in accordance with the SDS requirements of Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

**GHS Full Text Phrases:**

|                     |                                  |
|---------------------|----------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
|---------------------|----------------------------------|

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|               |   |
|---------------|---|
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| H302          | Harmful if swallowed                          |
| H319          | Causes serious eye irritation                 |

*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.*

CA GHS SDS