

SECTION 1: Identification

1.1. Product identifier

Product name : Synergro G3

1.2. Recommended use and restrictions on use

Recommended uses and restrictions : Granular Fertilizer

1.3. Supplier

ATP Nutrition Ltd.
190 Agri Park Road
Oak Bluff, MB
R4G 0A5
T 204-287-2023 - F 204-287-0027
infocanada@atpnutrition.ca - www.atpnutrition.ca

1.4. Emergency telephone number

Emergency number : CANUTEC: +1-613-996-6666 or *666 (cellular)

SECTION 2: Hazard identification


2.1. Classification of the substance or mixture

Classification (GHS CA)

Carcinogenicity Category 1A	H350
Specific target organ toxicity (repeated exposure) Category 1	H372

2.2. GHS Label elements, including precautionary statements

GHS CA labeling

Hazard pictograms (GHS CA) : 

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H350 - May cause cancer
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS CA) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P314 - Get medical advice/attention if you feel unwell.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

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2.4. Unknown acute toxicity (GHS CA)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Gypsum (Ca(SO ₄).2H ₂ O)	CAS-No.: 13397-24-5	40 – 60
Bentonite	CAS-No.: 1302-78-9	40 – 60
Quartz	CAS-No.: 14808-60-7	1 – 3
Paraffin waxes and Hydrocarbon waxes	CAS-No.: 8002-74-2	1 – 3
Silica, cristobalite	CAS-No.: 14464-46-1	1 – 3

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Seek medical attention if symptoms occur.
First-aid measures after skin contact	: Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
First-aid measures after eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
First-aid measures after ingestion	: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: This product contains crystalline silica. Prolonged or repeated Inhalation of crystalline silica particles causes silicosis, lung cancer, chronic obstructive pulmonary disease (COPD), and kidney disease. May cause cancer. Causes damage to organs through prolonged or repeated exposure.
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4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	: Treat symptomatically Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
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5.2. Unsuitable extinguishing media

Unsuitable extinguishing media	: None
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5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.1.2. For emergency responders

Protective equipment : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Emergency procedures : Keep unnecessary and unprotected personnel from entering.

6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Contain and collect spillage and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor.

6.3. 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 : Avoid dust generation when handling the product.

Hygiene measures : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Gypsum (Ca(SO₄),2H₂O) (13397-24-5)

Canada (Alberta) - Occupational Exposure Limits

OEL TWA	10 mg/m ³
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Gypsum (Ca(SO₄).2H₂O) (13397-24-5)	
Canada (Quebec) - Occupational Exposure Limits	
VEMP (OEL TWAEV)	10 mg/m ³ (containing no Asbestos and <1% Crystalline silica-total dust) 5 mg/m ³ (containing no Asbestos and <1% Crystalline silica-respirable dust)
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ (total dust) 3 mg/m ³ (respirable fraction)
OEL STEL	20 mg/m ³ (total dust)
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ (inhalable particulate matter)
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ (inhalable particulate matter)
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ (inhalable particulate matter)
Canada (Ontario) - Occupational Exposure Limits	
OEL TWAEV	10 mg/m ³ (inhalable)
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³ (inhalable particulate matter)
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA	10 mg/m ³
OEL STEL	20 mg/m ³
Canada (Yukon) - Occupational Exposure Limits	
OEL TWA	30 mppcf 10 mg/m ³
OEL STEL	20 mg/m ³
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	10 mg/m ³ (inhalable particulate matter)
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Quartz (14808-60-7)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable particulate)
Canada (Quebec) - Occupational Exposure Limits	
VEMP (OEL TWAEV)	0.1 mg/m ³ (respirable dust)
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable)
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable particulate matter)

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Quartz (14808-60-7)	
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	0.1 mg/m ³ (respirable fraction)
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA	0.05 mg/m ³ (respirable fraction)
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA	0.05 mg/m ³ (respirable fraction)
Canada (Ontario) - Occupational Exposure Limits	
OEL TWAEV	0.1 mg/m ³ (designated substances regulation-respirable)
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA	0.05 mg/m ³ (respirable fraction)
Canada (Yukon) - Occupational Exposure Limits	
OEL TWA	300 particle/mL
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0.025 mg/m ³ (respirable particulate matter)
ACGIH chemical category	Suspected Human Carcinogen
USA - OSHA - Occupational Exposure Limits	
OSHA PEL TWA	50 µg/m ³
Paraffin waxes and Hydrocarbon waxes (8002-74-2)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³ (fume)
Canada (Quebec) - Occupational Exposure Limits	
VEMP (OEL TWAEV)	2 mg/m ³ (fume)
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³ (fume)
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³ (fume)
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³ (fume)
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³ (fume)
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³ (fume)

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Paraffin waxes and Hydrocarbon waxes (8002-74-2)	
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³
OEL STEL	4 mg/m ³
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³
OEL STEL	4 mg/m ³
Canada (Ontario) - Occupational Exposure Limits	
OEL TWAEV	2 mg/m ³ (fume)
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³ (fume)
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³
OEL STEL	4 mg/m ³
Canada (Yukon) - Occupational Exposure Limits	
OEL TWA	2 mg/m ³ (fume)
OEL STEL	6 mg/m ³ (fume)
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	2 mg/m ³ (fume)
Silica, cristobalite (14464-46-1)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable particulate)
Canada (Quebec) - Occupational Exposure Limits	
VEMP (OEL TWAEV)	0.05 mg/m ³ (respirable dust)
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable)
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	0.05 mg/m ³ (respirable fraction)
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	0.025 mg/m ³ (respirable particulate matter)
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA	0.05 mg/m ³ (respirable fraction)
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA	0.05 mg/m ³ (respirable fraction)

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Silica, cristobalite (14464-46-1)

Canada (Ontario) - Occupational Exposure Limits

OEL TWAEV	0.05 mg/m ³ (designated substances regulation-respirable)
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Canada (Prince Edward Island) - Occupational Exposure Limits

OEL TWA	0.025 mg/m ³ (respirable particulate matter)
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Canada (Saskatchewan) - Occupational Exposure Limits

OEL TWA	0.05 mg/m ³ (respirable fraction)
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Canada (Yukon) - Occupational Exposure Limits

OEL TWA	150 particle/mL
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USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA	0.025 mg/m ³ (respirable particulate matter)
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ACGIH chemical category	Suspected Human Carcinogen
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USA - OSHA - Occupational Exposure Limits

OSHA PEL TWA	50 µg/m ³
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8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear chemical resistant gloves to minimize skin contact.

Eye protection:

None needed under normal product use conditions.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

None needed under normal product use conditions. If exposure limits are exceeded or irritation is experienced, wear NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Color	: No data available
Odor	: None
Odor threshold	: No data available

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pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Relative evaporation rate (ether=1)	: No data available
Melting point	: Not applicable
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)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: None.
Incompatible materials	: None.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Bentonite (1302-78-9)

LD50 oral rat	> 5000 mg/kg
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Paraffin waxes and Hydrocarbon waxes (8002-74-2)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3600 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: May cause cancer.

Quartz (14808-60-7)

IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	Known Human Carcinogens

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Silica, cristobalite (14464-46-1)

IARC group : 1 - Carcinogenic to humans

National Toxicology Program (NTP) Status : Known Human Carcinogens

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Bentonite (1302-78-9)

LC50 - Fish [1] : 19000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

12.2. Persistence and degradability

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Persistence and degradability : Not established.

Gypsum (Ca(SO₄),2H₂O) (13397-24-5)

Persistence and degradability : Rapidly degradable

Bentonite (1302-78-9)

Persistence and degradability : Rapidly degradable

Quartz (14808-60-7)

Persistence and degradability : Rapidly degradable

Paraffin waxes and Hydrocarbon waxes (8002-74-2)

Persistence and degradability : Rapidly degradable

Silica, cristobalite (14464-46-1)

Persistence and degradability : Rapidly degradable

12.3. Bioaccumulative potential

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Bioaccumulative potential : Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

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SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

In accordance with TDG / DOT / IMDG / IATA

14.1. UN number

UN-No. (TDG) : Not applicable
DOT NA No : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

TDG
Transport hazard class(es) (TDG) : Not applicable

DOT
Transport hazard class(es) (DOT) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (TDG) : Not applicable
Packing group (DOT) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG
Not applicable

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DOT

Not applicable

IMDG

Not applicable

IATA

Not applicable

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

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

Gypsum (Ca(SO₄).2H₂O) (13397-24-5)

Listed on the Canadian DSL (Domestic Substances List)

Bentonite (1302-78-9)

Listed on the Canadian DSL (Domestic Substances List)

Quartz (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

Paraffin waxes and Hydrocarbon waxes (8002-74-2)

Listed on the Canadian DSL (Domestic Substances List)

Silica, cristobalite (14464-46-1)

Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Bentonite (1302-78-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Quartz (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Paraffin waxes and Hydrocarbon waxes (8002-74-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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Silica, cristobalite (14464-46-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

Date of Issue: 3/4/2024

Date of Previous Issue: -

Version: 1

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