

### 1 Identification

#### GHS Product Identifier

**Product name:** Oligo® Mg 2.0

**Product form:** Liquid mixture

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

Liquid and foliar fertilizer

#### Supplier's details

Axter Agroscience Inc.  
895 chemin Benoit  
Mont St-Hilaire, Québec  
Canada J3H 0L7

Contact number: 450-464-5755  
Opening Hours: 7AM - 5PM Monday to Friday

#### Emergency phone number

**CANUTEC:** 1-888-226-8832

**Canadian Association of  
Poison Control Centres :** [www.capcc.ca](http://www.capcc.ca)

### 2 Hazard(s) identification

#### Classification of the substance or mixture

**Classification:** GHS-CA

#### GHS label elements

Warning



May damage the unborn child.

May damage fertility.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection.

IF exposed or concerned: Get medical advice/ attention.

Dispose of contents/container to meet regional / provincial / federal regulations or through the Clean Farms Empty Container Recycling Program

## Other hazards which do not result in classification

No additional information available

### 3 Composition/information on ingredients

### 4 First-aid measures

#### Description of necessary first-aid measures

Not expected to present a significant hazard under anticipated conditions of normal use.

<b>FOLLOWING INHALATION</b>	Move exposed person to fresh air and facilitate breathing and if required facilitate A. R. If you feel unwell, seek medical advice immediately
<b>FOLLOWING SKIN EXPOSURE</b>	Wash skin with plenty of water and soap. Rinse thoroughly. Get medical advice/attention immediately.
<b>FOLLOWING EYE EXPOSURE</b>	Rinse immediately with plenty of water for at least 15 minutes occasionally lifting eyelids. If victim wears contact lenses, try to remove them and continue rinsing. Seek immediate medical attention
<b>FOLLOWING INGESTION</b>	Rinse mouth. Do NOT induce vomiting. Seek immediate medical advice.

#### Most important symptoms/effects, acute and delayed

##### Symptoms

Gastrointestinal pain. Diarrhea.

##### Effects (acute or delayed):

Laxative effect, if ingested in large quantities.

Can cause depression of the central nervous system.

Studies suggest the possibility of an increase in congenital malformations.

#### Indication of immediate medical attention and special treatment needed, if necessary

**NOTE TO PHYSICIAN:** Treat symptomatically

### 5 Fire-fighting measures

#### Suitable extinguishing media

Use extinguishing agent suitable for the type of surrounding fire;

Foam, chemical powder, CO<sub>2</sub>, water in a spray, sand, water mist

Avoid excessive water to minimize runoff into the environment.

#### Specific hazards arising from the chemical

- No specific danger
- In case of fire, dangerous decomposition products can be formed such as:
  - Carbon Monoxide (CO), Carbon Dioxide (CO<sub>2</sub>), Nitrous Oxide
- A prolonged exposure to fire or high temperatures may cause the containers to fail

#### Special protective actions for fire-fighters

- Use water spray or fog to cool exposed containers.
- Do not enter fire area without proper protective equipment, including full face, positive pressure respiratory protection.
- Control all water used by firefighters to prevent any spill into the environment.

## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### P.P.E.

Do not take any measure or actions that involves a personal risk or if not properly trained  
Evacuate surroundings  
Do not touch or walk in the spilled product  
Try not to inhale any vapor or fog  
Ensure proper ventilation  
Make sure to wear an adequate mask or positive pressure apparatus if ventilation is not adequate  
Wear proper PPE before entering in spill area.

#### Environmental precautions

Make sure not to let any product or contaminated water enter the environment, water ways or sewers  
Prevent any spillage on or toward open soil, drains, sewers, ditches or waterways.  
Advise proper authorities if product has entered the environment.  
Use an inert absorbant or absorbent rolls to stop and control leak.

#### Methods and materials for containment and cleaning up

Stop leak if no risk is involved  
Remove all unbroken containers from spill area  
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.  
Collect all waste in suitable and labelled containers  
Dispose according to local legislation.  
Dispose through approved methods

## 7 Handling and storage

### Precautions for safe handling

Wear P.P.E. when conditions increase the risk of exposure.  
Do not eat, drink or smoke in areas where this product is produced, handled and stored.  
People working with this product should wash theirs hands and face before they eat, drink or smoke  
Avoid all contact with eyes, skin or clothing  
Do not inhale vapors of fog  
Do not enter in an enclosed area unless proper ventilation is in place  
Keep in original sealed container until product is used  
Empty container may contain residues and can represent a danger

### Conditions for safe storage, including any incompatibilities

Keep in original containers until product is used  
Store in a well-ventilated place.  
Product must be stored in a proper area and maintained at a temperature > 5 °C  
Skid must not be stacked more than two high

## 8 Exposure controls/personal protection

### Control parameters

CAS	Common Name	IDHL mg / m <sup>3</sup>	TWA mg / m <sup>3</sup>	STEL mg / m <sup>3</sup>	CEIL mg / m <sup>3</sup>
NA	NA	N.A.	N.A.	N.A.	N.A.

### Appropriate engineering controls

No special ventilation required if product is used properly  
Mix and use outside or in well ventilated areas  
People that work around or with the product should wear the proper P.P.E.  
Eye wash stations or eye wash showers should be available

## Individual protection measures

- **EYE PROTECTION:** Employee should wear splash-proof or dust-resistant safety goggles to prevent eye contact with this substance.
- **EMERGENCY EYE WASH:** Where there is a possibility that eyes may be exposed to this substance; the employer should provide an eye wash fountain within the immediate work area for emergency use.
- **CLOTHING:** Employee should wear appropriate protective clothing and equipment to prevent repeated or prolonged skin contact with this substance.
- **GLOVES:** Employee should wear appropriate protective gloves to prevent contact with this substance.
- **VENTILATION:** Use only outside or in well ventilated areas
- **RESPIRATOR:** No special respiratory protection equipment is recommended under normal conditions of use. If circumstances warrant protection, an approved organic vapour respirator can be worn to reduce exposure to product vapours.

## 9 Physical and chemical properties

### Physical and chemical properties

Physical state :	Liquid
Appearance :	Clear.
Colour :	Beige
Odour :	No significant odour
Odour threshold:	No data available
pH :	9.0
Relative evaporation rate	No data available
Relative evaporation rate (ether=1):	No data available
Melting point:	No data available
Freezing point:	< 0 °C
Boiling point:	> 100 °C
Flash point:	Non flammable
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Not applicable
Vapour pressure at 20 °C:	<17.535 mm Hg
Vapour density:	> 1 (air = 1)
Relative density:	No data available
Density :	1.19 kg/l
Solubility:	Water: Soluble

## 10 Stability and reactivity

### Reactivity

As such, not reactive under normal storage and handling conditions.

### Chemical stability

Stable under normal storage, handling and mixing conditions

### Possibility of hazardous reactions

None known under normal conditions of use

### Conditions to avoid

Protect from freezing

### Incompatible materials

None known

## Hazardous decomposition products

No known dangerous decomposition products

If heated to the point of transformation or decomposition: Carbon monoxide, Carbon dioxide, Nitrous Oxide

## 11 Toxicological information

### Toxicological (health) effects

No	CAS	Common name	LD oral	LD skin	LD skin	LC gases	LC vapours	LC dust-mist
1	NA	NA	NA	NA	NA	NA	NA	NA

### Information on the likely routes of exposure

This product is absorbed by the digestive tract.

### Symptoms related to the physical, chemical and toxicological characteristics

Gastrointestinal pain. Diarrhea.

### Delayed and immediate effects and also chronic effects from short and long term exposure

Laxative effect, if ingested in large quantities.

Can cause depression of the central nervous system.

Studies suggest the possibility of an increase in congenital malformations.

### Numerical measures of toxicity (such as acute toxicity estimates)

C.A.S.	NAME	IAR C	ACGI H	Mutagenicity	Effect on reproduction
NA	NA	NA	NA	NA	NA

## 12 Ecological information

### Toxicity

C.A.S.	NAME	Persistence	Bio-accumulation	Toxicity
NA	NA	NA	NA	NA

### Persistence and degradability

In agriculture, the use of this mixture in normal conditions is non persistent.

### Bioaccumulative potential

In agriculture, the use of this mixture in normal conditions is non cumulative.

### Mobility in soil

No specific data available for this mixture but agronomic knowledge confirms that:

the nitrogen (expressed as N) component of this mixture can be mobile in the soil;

the phosphorous (expressed as P<sub>2</sub>O<sub>5</sub>) component of this mixture is not mobile in the soil;

the potassium (expressed as K<sub>2</sub>O) component of this mixture can be moderately mobile in the soil.

### Other adverse effects

May release ammonium ions that are toxic to fish.

At extremely high concentrations, this may be hazardous to fish or other marine organisms.

## 13 Disposal considerations

### Disposal methods

The generation of waste should be avoided or minimized wherever possible.

Triple rinse all containers and dispose in accordance with all regional / provincial / federal regulatory requirements or through the Clean Farms Empty Container Recycling Program

Eliminate any surplus and non recyclable products through authorized operators

Take care when handling empty containers that have not been rinsed and cleaned.

## 14 Transport information

### UN Number

Not applicable

### UN Proper Shipping Name

Not applicable

### Transport hazard class(es)

Not applicable

## 15 Regulatory information

### Safety, health and environmental regulations specific for the product in question

#### Carcinogen (ACGIH, IARC, OSHA or NTP):

Most of the ingredients used to manufacture this mixture are not classed as carcinogenic by ACGIH, IARC, OSHA or NTP. One ingredient is classed "possible carcinogen for humans" (IARC – 2B)

#### Inventories (U.S. Toxic Substances Control Act):

No data available

#### Air (U.S. 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)

## 16 Other information

### Other information

As per Workplace Health & Safety regulations in place, this SDS should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The user must determine the appropriate measures that need to be implemented for the safe use and handling of this product in the context of the user's operations.

This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.