

1 Identification

GHS Product Identifier

Product Name CropBooster® Oligo Prime

Product form Liquid mixture

Recommended use of the chemical and restriction on use

Liquid and foliar fertilizer

Supplier's details

Agro-100 Ltée
 990 Chemin des Prairies
 Joliette, Québec
 Canada, J6E 0L4

Contact number: (450) 759-8887
Emergency number: (450) 759-8887
Opening Hours: 8 AM - 4 PM Monday to Friday

Emergency phone number

CANUTEC: 1-888-226-8832

Association Canadienne des Centres Antipoison : www.capcc.ca

2 Hazard(s) identification

Classification of the substance or mixture

Classification (GHS-CA) Not classified

GHS label elements

Other hazards which do not result in classification

This mixture does not contain any substances to be mentioned according to the criteria of schedule 1, item 3 of the Hazardous Products Regulations.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Not applicable			0	

4 First-aid measures

Description of necessary first-aid measures

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

FOLLOWING INHALATION	Move exposed person to fresh air and facilitate breathing and if required facilitate A. R. If you feel unwell, seek medical advice immediately
FOLLOWING SKIN EXPOSURE	Wash skin with plenty of water and soap. Rinse thoroughly. Get medical advice/attention immediately.
FOLLOWING EYE EXPOSURE	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
FOLLOWING INGESTION	Rinse mouth. Do NOT induce vomiting. Seek immediate medical advice.

Most important symptoms/effects, acute and delayed

INHALATION	Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
SKIN	Not expected to present a significant skin hazard under anticipated conditions of normal use.
EYES	Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
INGESTION	Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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;

No known unsuitable extinguishing media

Avoid excessive water to minimize run off into the environment.

Prevent and/or control firefighter water from entering the environment.

Specific hazards arising from the chemical

Fire Hazard: Not flammable.
On combustion, emissions may contain:
Carbon oxides (CO and CO₂), Sulphur oxides, Gaseous ammonia

Explosion Hazard: No direct explosion hazard

Special protective actions for fire-fighters

Firefighting instructions: Exercise caution when fighting any chemical fire

Protective equipment for firefighters: Do not enter fire without proper protective equipment

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions & Protective Equipment: Wear personal protective equipment.
For further information refer to section 8: "Exposure controls/personal protection".
Ventilate spillage area.

Prevention Measures for Secondary Accidents: Prevent entry to sewers and public waters.

Environmental precautions

Do not let product enter the environment.

As quickly as possible, keeping safety in mind, use absorbant material to contain and absorb

Methods and materials for containment and cleaning up

Methods for cleaning up:

- 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.
- Do not flush into surface water or sewer system.
- Store away from other materials.

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 used or handled
People working with this product should wash their 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

No additional information available

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 :	Blue-green
Odour :	Slight ammonia odour
Odour threshold:	No data available
pH:	6.2 - 6.7
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:	No data available
Vapour pressure at 50 °C:	No data available
Relative density:	No data available
Density :	1.20 kg/l
Solubility:	Water: Soluble
Explosive properties:	Product is not explosive.
Oxidising properties:	Non oxidizing.
Explosive limits:	Not applicable

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 hazardous decomposition products known.

On combustion, forms: carbon oxides (CO and CO₂). Sulphur oxides. Gaseous ammonia.

11 Toxicological information

Toxicological (health) effects

Acute toxicity (oral) :	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) :	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) :	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation :	Not classified. (Based on available data, the classification criteria are not met) pH: 6.2 - 6.7
Serious eye damage/irritation :	Not classified. (Based on available data, the classification criteria are not met) pH: 6.2 - 6.7
Respiratory or skin sensitization:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity:	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity :	Not classified. (Based on available data, the classification criteria are not met)
STOT-single exposure :	Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure :	Not classified (Based on available data, the classification criteria are not met)

Information on the likely routes of exposure

Inhalation. Ingestion. Skin and eyes contact.

Symptoms related to the physical, chemical and toxicological characteristics

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

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

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

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

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

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

No data available

Numerical measures of toxicity (such as acute toxicity estimates)

No data available

Interactive effects

No data available

Other information

Not applicable

12 Ecological information

Toxicity

Ecology - general :	This material has not been tested for environmental effects.
Acute aquatic toxicity :	Not classified
Chronic aquatic toxicity:	Not classified

This mixture and its product of decomposition are not known to be environmentally dangerous in normal conditions of use.

Persistence and degradability

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

No additional information available

Bioaccumulative potential

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

No additional information available

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 P₂O₅) component of this mixture is not mobile in the soil;
the potassium (expressed as K₂O) component of this mixture can be moderately mobile in the soil.

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

14 Transport information

UN Number

Not regulated

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.

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.