



# Safety Data Sheet

Preparation Date 09-Oct-2017

Revision date 07-Jun-2022

Revision Number: 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Identification of the product

**Product Description** Interline Herbicide

### Other means of identification

**Internal SDS code** 12C-901CAN

**Registration number(s)** PCPA Reg. No. 32860

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

**Recommended use** Herbicide.

**Uses advised against** Activities contrary to label recommendation

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

UPL AgroSolutions Canada Inc.  
c/o UPL NA Inc  
630 Freedom Business Center, Suite 402,  
King of Prussia, PA 19406

### Emergency telephone number

**Company Phone Number** 1-800-438-6071

**Emergency telephone number** Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887  
Medical: Rocky Mountain Poison and Drug Safety (866) 673-6671 (24hrs)

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 3
Reproductive Toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2

### Label elements

#### EMERGENCY OVERVIEW

**DANGER**

#### Hazard Statements

Harmful in contact with skin

Toxic if inhaled

May damage fertility or the unborn child

May cause damage to organs through prolonged or repeated exposure

**Appearance** clear**Physical state** Liquid**Odor** no data available**Precautionary Statements - Prevention**

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

Wear cold insulating gloves/face shield/eye protection

Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/gas/mist/vapors/spray

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

Call a POISON CENTER or doctor if you feel unwell

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor/physician

**Precautionary Statements - Storage**

Store locked up

Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

- Harmful to aquatic life with long lasting effects
- May be harmful in contact with skin

### 3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
Glufosinate ammonium	Proprietary	13.92

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. First aid measures

**FIRST AID MEASURES****Eye contact**

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin contact**

Wash off immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.

**Ingestion**

Never give anything by mouth to an unconscious person. Do not induce vomiting without

medical advice. Call a physician or poison control center immediately.

**Protection of First-aiders** Use personal protective equipment.

### **Most Important Symptoms and Effects, Both Acute and Delayed**

**Most Important Symptoms and Effects** no data available.

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician** Treat symptomatically.

## **5. Fire-fighting measures**

### **Suitable extinguishing media**

Use: Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. alcohol-resistant foam.

**Unsuitable extinguishing media** no data available.

### **Specific hazards arising from the chemical**

In the event of fire and/or explosion do not breathe fumes.

**Hazardous combustion products** Carbon oxides. Carbon monoxide. Sulfur oxides.

### **Explosion data**

### **Protective equipment and precautions for firefighters**

Use personal protective equipment. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Provide adequate ventilation. Avoid contact with skin, eyes and inhalation of vapors. Use personal protective equipment. Wash thoroughly after handling.

### **Environmental Precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### **Methods and material for containment and cleaning up**

**Methods for Clean-Up** Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

## **7. Handling and Storage**

### **Precautions for safe handling**

**Handling** Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

### **Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep in properly labelled containers. Keep out of the reach of children. Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur.

Product is pourable down to -5 C (23 F). At -8 C (17.6 F), the product starts to thicken. Below -8 C (17.6 F), the product will thicken and eventually become a non-pourable

crystalline solid. This is completely reversible upon warming the product above -5 C(23 F). The freezing of the product, to where it becomes a non-pourable crystalline solid, does not impact the efficacy of the product.

If product thickens or become solid - allow product to warm to 40 - 70 F (4- 21 C) using drum blankets or hot boxes. Steam may be used to warm however it should not be directly applied. DO NOT use open flame to warm.

**incompatible materials** Strong acids. Strong oxidizing agents. Bases.

## 8. Exposure Controls/Personal Protection

**Exposure guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering controls** Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

### Personal protective equipment

#### **Eye/Face Protection**

Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. Safety glasses with side-shields.

#### **Skin protection**

Wear protective gloves/clothing. Socks and footwear.

#### **Respiratory protection**

Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134. For emergency and other conditions where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR 1910.134.

### **General hygiene considerations**

When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Wash hands and face before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	clear
<b>Physical state</b>	Liquid
<b>Odor</b>	no data available
<b>color</b>	Blue to blueish-green

<u>Property</u>	<u>VALUES</u>	<u>Remarks/ Method</u>
<b>pH</b>	7	None known
<b>Melting point/freezing point</b>		
<b>Boiling Point/Range</b>		None known
<b>Flash Point</b>	> 156 F/69 C	None known
<b>Evaporation Rate</b>		None known
<b>Flammability (solid, gas)</b>		None known
<b>Specific gravity</b>	1.08 @20 C	None known
<b>Bulk density</b>		None known
<b>Water solubility</b>		None known
<b>Solubility in Other Solvents</b>	No information available	None known
<b>Partition coefficient: n-octanol/water</b>		None known
<b>Autoignition temperature</b>		None known

Decomposition temperature  
Viscosity

None known  
None known

## 9.2 OTHER INFORMATION

### 10. Stability and Reactivity

#### Reactivity

no data available

#### Chemical stability

Stable under normal conditions. Hazardous polymerisation does not occur.

#### Possibility of hazardous reactions

None under normal processing.

#### Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

#### incompatible materials

Strong acids. Strong oxidizing agents. Bases.

#### Hazardous decomposition products

Carbon oxides. Carbon monoxide. Oxides of sulfur.

### 11. Toxicological Information

#### Information on Likely Routes of Exposure

##### Product information

Lifeline/Interline :  
Acute oral LD50 (rat) - >5,000 mg/kg  
Acute dermal LD50(rat/rabbit) = >2,000 mg/kg  
Acute inhalation LC50 (rat) 4 hr = >3.133 mg/L [ $>12.5$  mg/L 1 hr]  
Primary eye irritation (rabbit) = Not an irritant  
Primary dermal irritation (rabbit)= Not an irritant  
Dermal sensitization = Not a sensitizer

<b>Inhalation</b>	May cause irritation of respiratory tract. May be harmful by inhalation.
<b>Eye contact</b>	May cause temporary eye irritation.
<b>Skin contact</b>	May cause irritation.
<b>Ingestion</b>	HARMFUL IF SWALLOWED.

#### Information on Toxicological Effects

**Symptoms** No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	No information available.
<b>Mutagenic effects</b>	no data available.
<b>Carcinogenicity</b>	The information below indicates whether any agency has listed any ingredient as a carcinogen.
<b>Reproductive effects</b>	Not Available.
<b>STOT - Single Exposure</b>	no data available.
<b>STOT - Repeated Exposure</b>	no data available.
<b>Chronic toxicity</b>	Avoid repeated exposure.
<b>Target organ effects</b>	Respiratory System, EYES, skin, Central Nervous System (CNS).

**Aspiration hazard** No information available.

**Numerical Measures of Toxicity - Product information**

**LD50 Oral** > 5000 mg/kg (rat)  
**LD50 Dermal** > 2000 mg/kg (rat)  
**LC50 Inhalation** LC50/inhalation/4h/rat = > 3.133 mg/l (4-hr)

## 12. Ecological Information

**ecotoxicity**

Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark. Do not clean equipment or dispose of equipment washwater in a manner that will contaminate water resources or areable land. Do not apply when weather conditions favor drift from treated areas.

**Persistence/Degradability**

no data available.

**Bioaccumulation/ Accumulation**

Bioaccumulative potential.

**Other Adverse Effects**

no data available

## 13. Disposal Considerations

**Waste Treatment Methods**

**Waste Disposal Method**

Pesticide wastes can be hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Contaminated packaging**

Refer to product label.

## 14. Transport Information

**DOT**

When shipped domestically IN NON-BULK packages by highway this material is classed as a combustible liquid and as such is not subject to the DOT regulations per 49 CFR 173.150(f) (2) and therefore can be designated as Not Regulated

When shipped domestically (US) in bulk containers (>119 gallon capacity) this product is classified as a Combustible liquid as per 49 CFR 173.150(f). As such the documentation will be noted as Combustible Liquid, n.o.s. (Propylene glycol monomethyl ether), Comb Liq, NA1993, PG III.

**TDG**

NOT REGULATED

**IATA**

NOT REGULATED

**IMDG**

NOT REGULATED

**15. Regulatory Information**

This chemical/product is a pesticide product registered by the PMRA and is subject to specific label requirements under these regulations. The requirements may differ classification and hazard information required for safety data sheets and for labels of non-pesticide products. The following is information as required on the registered product label.

**signal word** WARNING

**Keep out of Reach of Children. Skin and Eye Irritant. Toxic to aquatic organisms. and non-target terrestrial plants.**

**International Inventories**

<b>USINV</b>	Present
<b>DSL/NDSL</b>	Not present
<b>EINECS/ ELINCS</b>	Present
<b>ENCS</b>	Not Present
<b>China</b>	Not Present
<b>KECL</b>	Not Present
<b>PICCS</b>	Not Present
<b>AICS</b>	Not Present
<b>TSCA</b>	Not Present

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

**CERCLA**

Not applicable

**CERCLA**

**SARA Product RQ** 0

**RCRA**

**Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Glufosinate ammonium ( 13.92 )			X	

**State Regulations**

State Right-to-Know

International regulations

U.S. EPA Label information

EPA Pesticide registration number PCPA Reg. No 32860

**16. Other Information**

**NFPA**                      **HEALTH 1**                      **flammability 1**                      **Instability 0**                      **Physical hazard -**

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**Revision Summary**

Update section 2

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**End of SDS**