

SECTION 1 Identification

1.1. GHS Product identifier

Product form	: Mixture
Product name	: OZONE 3.0
Type of product	: Pesticide
Product code	: 1000985,1000986

1.2. Other means of identification

Synonyms	: Flucarbazone 3.0
REGISTRATION NUMBER	: EPA Reg. No. : 42750-358 PMRA Reg. No.: 35603

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture	: Herbicide
Restrictions on use	: It is a violation of Federal law to use this product in a manner inconsistent with its label.

1.4. Supplier's details

Albaugh, LLC (Canada)
1525 NE 3th Street 1525 NE 36th Street
Ankeny, IA 50021
USA
T 800-247-8013
ContactUS@albaughllc.com - albaughllc.com

1.5. Emergency phone number

Emergency number	: For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident: • Call CHEMTREC Day or Night within USA and Canada: 1-800-424-9300, Outside USA and Canada: +1 703-741-5970 (collect calls accepted)
	For Medical Emergencies Only: • Call Albaugh LLC Day or Night within USA and Canada: 1-888-347-6732 24 hours a day, 7 days a week

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Acute toxicity (inhalation:dust,mist), Category 4	H332	Harmful if inhaled.
Serious eye damage/eye irritation, Category 2B	H320	Causes eye irritation.
Hazardous to the aquatic environment, Acute Hazard, Category 3	H402	Harmful to aquatic life.
Full text of H-statements: see section 16		

2.2. GHS label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA)



OZONE 3.0

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Signal word (GHS CA)	: Warning
Hazard statements (GHS CA)	: H320 - Causes eye irritation H332 - Harmful if inhaled H402 - Harmful to aquatic life
Precautionary statements (GHS CA)	: P261 - Avoid breathing dust, fume, gas, mist, vapours, spray. P264 - Wash hands, forearms and face thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER or a doctor if you feel unwell. P337+P313 - If eye irritation persists: Get medical advice or attention. P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Other Ingredients (non-hazardous, proprietary) (Additive)	-	-	67 – 70	Not classified
Flucarbazone-sodium (Active substance (Biocide), Main constituent)	Flucarbazone-sodium	CAS-No.: 181274-17-9	17.87 - 19.74	Aquatic Acute 3, H402 Aquatic Chronic 3, H412

OZONE 3.0

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
ethylene glycol (Additive)	1,2-dihydroxyethane / 1,2-ethanediol / 1,2-ethylene glycol / 2-hydroxyethanol / antifreeze / COREXIT 2920 / dihydroxyethane / DOWTHERM SR1 / ECA6969 / EG (=ethylene glycol) / ethane-1,2-diol / ethanediol / ethylene alcohol / ethylene dihydrate / ethylene glycol / FRIDEX / glycohol alcohol / glycol / glycol alcohol / LUTROL-9 / MACROGOL 400BPC / MEG / monoethylene glycol / NA1142 / NORKOOL / RAMP / TESCOL / thermofluide UCAR17 / UCAR17 / ZEREX	CAS-No.: 107-21-1	4.75 – 5.25	Not classified
1-methylhexyl[(5-chloro-8-quinolinyl)oxy]acetate (Constituent)	(RS)-1-methylhexyl(5-chloroquinolin-8-yloxy)acetate / 1-methylhexyl-(5-chloroquinolin-8-yloxy)acetate / acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester / cloquintocet-mexyl / cloquitocet-mexyl ester / heptan-2-yl [(5-chloroquinolin-8-yl)oxy]acetate / heptan-2-yl 2-(5-chloroquinolin-8-yl)oxyacetate	CAS-No.: 99607-70-2	4.24 - 4.69	Skin Sens. 1B, H317 Aquatic Acute 2, H401 Aquatic Chronic 4, H413

OZONE 3.0

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

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

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
First-aid measures general	: Call a poison center or a doctor if you feel unwell.
Self protection of the first-aider	: First aid workers will be equipped with suitable personal protective equipment.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: mild eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

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

Other medical advice or treatment	: Treat symptomatically.
-----------------------------------	--------------------------

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Special protective actions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
Environmental precautions	: Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment	: Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up	: Take up liquid spill into absorbent material.

OZONE 3.0

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

Other information : Dispose of materials or solid residues at an authorized site.
For further information refer to section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep cool. Protect from sunlight.

Packaging materials : Always store product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

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, such as personal protective equipment (PPE)

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



OZONE 3.0

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid. White.
Colour	: White
Odour	: Characteristic odour
Odour threshold	: No data available
pH	: 9.3
Relative evaporation rate (butylacetate=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	: > 100 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Density	: 1.123 g/ml
Solubility	: Forms suspension in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 2148.709 mm ² /s
Viscosity, dynamic	: 2413 cP
Explosive properties	: Not Explosive.
Oxidising properties	: Not oxidising.
Explosive limits	: No data available
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

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	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	: No additional information available

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Inhalation:dust,mist: Harmful if inhaled.

OZONE 3.0

LD50 oral rat	> 5000 mg/kg
---------------	--------------

OZONE 3.0

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

OZONE 3.0	
LD50 dermal	> 5000 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	> 1.08 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h
Flucarbazone-sodium (181274-17-9)	
LD50 oral rat	> 5000 mg/kg Source: HSDB
LD50 dermal rat	> 5000 mg/kg Source: HSDB
LC50 Inhalation - Rat	> 5.13 mg/l Source: HSDB
1-methylhexyl[(5-chloro-8-quinolinyloxy)acetate (99607-70-2)	
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 0.935 mg/m ³ air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, (maximum achievable concentration), Inhalation (dust), 14 day(s))
ethylene glycol (107-21-1)	
LD50 oral rat	7712 mg/kg bodyweight (according to BASF-internal standards, Rat, Male / female, Experimental value, Aqueous solution, Oral, 7 day(s))
LD50 dermal	> 3500 mg/kg bodyweight (Mouse, Male / female, Experimental value, Dermal)
LC50 Inhalation - Rat	> 2.5 mg/l (6 h, Rat, Male / female, Experimental value, Inhalation (aerosol))
ATE CA (oral)	7712 mg/kg bodyweight
Skin corrosion/irritation	: Not classified pH: 9.3
ethylene glycol (107-21-1)	
pH	No data available in the literature
Serious eye damage/irritation	: Causes eye irritation. pH: 9.3
ethylene glycol (107-21-1)	
pH	No data available in the literature
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
OZONE 3.0	
Viscosity, kinematic	2148.709 mm ² /s
ethylene glycol (107-21-1)	
Viscosity, kinematic	17.87 mm ² /s (20 °C, Calculated)
Likely routes of exposure	: Inhalation. Skin and eyes contact.
Symptoms/effects after inhalation	: Harmful if inhaled.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: mild eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

OZONE 3.0

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

SECTION 12 Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life.
Hazardous to the aquatic environment, short-term (acute) : Harmful to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Not classified.

Flucarbazone-sodium (181274-17-9)	
LC50 - Fish [1]	> 99.3 mg/l Source: HSDB
1-methylhexyl[(5-chloro-8-quinolinyloxy)acetate (99607-70-2)	
LC50 - Fish [1]	14 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Ictalurus punctatus, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	> 9.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)
ethylene glycol (107-21-1)	
LC50 - Fish [1]	> 72860 mg/l (EPA 600/4-90/027, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	> 100 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, Daphnia magna, Static system, Fresh water, Experimental value)

12.2. Persistence and degradability

OZONE 3.0	
Persistence and degradability	Not rapidly degradable
Flucarbazone-sodium (181274-17-9)	
Persistence and degradability	Not rapidly degradable
1-methylhexyl[(5-chloro-8-quinolinyloxy)acetate (99607-70-2)	
Persistence and degradability	Not readily biodegradable in the soil, Not readily biodegradable in water.
ethylene glycol (107-21-1)	
Persistence and degradability	Readily biodegradable in the soil, Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.47 g O ₂ /g substance
Chemical oxygen demand (COD)	1.2 g O ₂ /g substance
ThOD	1.3 g O ₂ /g substance
Other Ingredients (non-hazardous, proprietary)	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Flucarbazone-sodium (181274-17-9)	
Partition coefficient n-octanol/water (Log Pow)	-0.89 Source: HSDB
1-methylhexyl[(5-chloro-8-quinolinyloxy)acetate (99607-70-2)	
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).

OZONE 3.0

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

1-methylhexyl[(5-chloro-8-quinolinyl)oxy]acetate (99607-70-2)	
BCF - Fish [1]	621 (OECD 305: Bioconcentration: Flow-Through Fish Test, 1 day(s), Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	5.2 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)

ethylene glycol (107-21-1)	
Bioaccumulative potential	Not bioaccumulative.
Partition coefficient n-octanol/water (Log Pow)	-1.4 (Experimental value)

12.4. Mobility in soil

1-methylhexyl[(5-chloro-8-quinolinyl)oxy]acetate (99607-70-2)	
Surface tension	57 mN/m (20 °C, 0.59 mg/l, OECD 115: Surface Tension of Aqueous Solutions)
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.81 – 1.3 (log Koc, Calculated value)

ethylene glycol (107-21-1)	
Surface tension	48.4 mN/m (20 °C)
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0 (log Koc, SRC PCKOCWIN v2.0, QSAR)

12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No

SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.



SECTION 14 Transport information

TDG	DOT	IMDG	IATA
Shipment by ground under DOT/TDG is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.			
14.1. UN Number			
Not regulated	Not regulated	UN3082	UN3082

OZONE 3.0

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

TDG	DOT	IMDG	IATA
Shipment by ground under DOT/TDG is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.			
14.2. UN Proper Shipping Name			
Not regulated	Not regulated	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cloquintocet-Mexyl)	Environmentally hazardous substance, liquid, n.o.s. (Cloquintocet-Mexyl)
Transport document description			
Not regulated	Not regulated	UN UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Cloquintocet-Mexyl), 9, III	UN UN3082 Environmentally hazardous substance, liquid, n.o.s. (Cloquintocet-Mexyl), 9, III
14.3. Transport hazard class(es)			
Not regulated	Not regulated	9	9
Not regulated	Not regulated		
14.4. Packing group, if applicable			
Not regulated	Not regulated	III	III
14.5. Environmental hazards			
Not regulated	Not regulated	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No

14.6. Special precautions for user

TDG

Not regulated

DOT

Not regulated

IMDG

Special provisions (IMDG) : 274, 335, 375, 969
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP01, P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP29
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG) : A

IATA

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964

OZONE 3.0

Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L

14.7. Transport in bulk according to Annex II of MARPOL 73/78⁹ and the IBC Code¹⁰

Not applicable

SECTION 15 Regulatory information

Other Ingredients (non-hazardous, proprietary)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16 Other Information

Issue date : 03/03/2026

Full text of hazard classes and H-statements:

H317	May cause an allergic skin reaction
H320	Causes eye irritation
H332	Harmful if inhaled
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

SDS CA-ALBAUGH

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.