



SAFETY DATA SHEET

BASKET 2XL PCP 33560

SDS NUMBER: 33560-19-UAP

SDS REVISIONS: NEW

DATE OF ISSUE: 10/08/2019

SUPERSEDES: NEW

IN CASE OF EMERGENCY DUE TO A MAJOR SPILL, FIRE OR POISONING INVOLVING THIS PRODUCT CALL DAY OR NIGHT, 1-800-561-8273 or CHEMTREC 1-800-424-9300

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 PRODUCT IDENTIFIER:

TRADE NAME: BASKET 2XL HERBICIDE

1.2 RECOMMENDED USE: HERBICIDE

1.3 MANUFACTURED FOR AND DISTRIBUTED BY:

UAP CANADA, INC.
789 DONNYBROOK DRIVE • DORCHESTER, ONTARIO N0L 1G5

1.4 24 Hour Emergency Phone: (Chemtrec): 1-800-424-9300 (Toll Free) - Additional Emergency Phone 1-800-561-8273

Loveland Technical Service: 1-800-328-4678

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Aspiration Hazard	Category 1	H304
Skin Corrosion/Irritation	Category 2	H315
Sensitization - Skin	Category 1B	H317
Eye Damage/Irritation	Category 2A	H319
Specific Target Organ Toxicity - Single Exposure	Category 3	H335
Carcinogenicity	Category 2	H351
Toxic To Reproduction	Category 1B	H360
Hazardous to the Aquatic Environment – Acute	Category 1	H400
Hazardous to the Aquatic Environment – Chronic	Category 1	H410

2.2 Label elements



Signal word:

DANGER

Hazard Statement:

- H315 – Causes skin irritation.
- H317 – May cause an allergic skin reaction.
- H319 – Causes serious eye irritation.
- H335 – May cause respiratory irritation.
- H351 – Suspected of causing cancer.
- P360 – May damage fertility or the unborn child.
- H400 – Very toxic to aquatic life.
- H410 – Very toxic to aquatic life with long lasting effects.

Precautionary Statement: (Prevention):

- P264 – Wash hands thoroughly after handling.
- P280 – Wear protective gloves/eye protection/face protection.
- P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
- P272 – Contaminated work clothing must not be allowed out of the workplace.
- P271 – Use only outdoors or in a well-ventilated area.
- P201 – Obtain special instructions before use.
- P202 – Do not handle until all safety precautions have been read and understood.



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Precautionary
Statement:
(Response):

P301+P310 – IF SWALLOWED: Immediately call a poison centre or doctor/physician.
P331 – Do NOT induce vomiting.
P302+P352 – IF ON SKIN: Wash with plenty of water.
P321 – Specific treatment (see First Aid and Toxicological Information on the product label).
P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.
P362 – Take off contaminated clothing and wash it before reuse.
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 – If eye irritation persists: Get medical advice/attention.
P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 – Call a poison centre/doctor/physician if you feel unwell.
P308+P313 – If exposed or concerned: Get medical advice/attention.

Precautionary
Statement:
(Storage):

P405 – Store locked up.

Precautionary
Statement:
(Disposal):

P501 – Dispose of contents/container in accordance with local, provincial and national regulations.

2.3 Other hazards

None known

3. COMPOSITION, INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name:	CAS No.	Concentration [%]
Oxyfluorfen	42874-03-3	22.3 240 g/L

Ingredients not listed are proprietary or non-hazardous

4. FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: Get medical attention if symptoms occur.

Ingestion:

Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

Skin contact:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

Eye contact:

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



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4.2 Most Important Symptoms and Effects, Acute and Delayed

Symptoms: Causes serious eye irritation. Cause skin irritation. May cause respiratory irritation.

4.3 Immediate Medical Attention and Special Treatment

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-561-8273

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

NOTES TO PHYSICIAN: No specific antidote. Treat symptomatically. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. If lavage is performed, suggest endotracheal and esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Maintain adequate ventilation and oxygenation of the patient.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable Extinguishing Media: Carbon dioxide (CO₂), foam, water fog, dry chemical, or other extinguishing media suitable for the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Specific Hazards During Firefighting: Keep people away. Isolate fire and deny unnecessary entry. Consider feasibility of a controlled burn to minimize environment damage. Foam fire extinguishing system is preferred because uncontrolled water can spread possible contamination. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of reignition has passed. Fight fire from protected location or safe distance. Consider the use of unmanned hose holders or monitor nozzles. Immediately withdraw all personnel from the area in case of rising sound from venting safety device or discoloration of the container. Burning liquids may be extinguished by dilution with water. Do not use direct water stream. May spread fire. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this SDS.

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry. Use water spray to cool fire exposed containers and fire affected zone until fire is out and danger of re-ignition has passed. Fight fire from protected location or safe distance. Move container from fire area if this is possible without hazard. Burning liquids may be moved by flushing with water to protect personnel and minimize property damage. Contain fire water run-off if possible. Fire water run-off, if not contained, may cause environmental damage. Review the "Accidental Release Measures" and the "Ecological Information" sections of this SDS.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Wear protective equipment to prevent skin and eyes being affected. Evacuate unprotected and unnecessary personnel from area of spill. If material is leaking from a container, stop the leak only if this can be done safely. See Personal Protection information in Section 8.

6.2 ENVIRONMENTAL PRECAUTIONS

Environmental Precautions: In the event of a major spill, prevent spillage from entering drains or water courses.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

Methods for Clean-Up: Stop leak if safe to do so and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Recycle containers wherever possible after careful cleaning. Launder protective clothing before storage or re-use. Pump free liquid into an appropriate container. Absorb residual with inert absorbent material. Wash entire spill area with a detergent slurry, absorb and sweep into container for disposal. Decontaminate tools and equipment following clean-up. See Section 13: DISPOSAL CONSIDERATIONS for more information.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Advice on Safe Handling: Keep out of reach of children. Do not swallow. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

7.2 CONDITIONS FOR SAFE STORAGE:

Requirements for Storage Areas and Containers: Store in a dry place. Store in original container. Keep container tightly closed. Do not store near food, foodstuffs, drugs or potable water supplies. Make sure that the product does not come into contact with strong acids, strong bases or strong oxidizing agents.



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

Work in a well-ventilated area. If vapours are too strong, use mechanical ventilation.

8.2 EXPOSURE CONTROLS:

Engineering Measures

Avoid breathing mists, vapours, or aerosols. Provide adequate general and local exhaust ventilation. Provide eyewash station.

OCCUPATIONAL EXPOSURE LIMITS

Components	List	Type	Value
No data available	ACGIH	TWA	

Individual Protection Measures:

Eye / Face Protection: Chemical goggles are recommended.

Skin Protection: Chemical resistant clothing is recommended. Routinely wash work clothing and protective equipment to remove contaminants. The use of neoprene gloves is recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment. Wear respiratory protection during operations where spraying or misting occurs. Wear NIOSH-certified air-purifying respiratory protection with an particulate pre-filter and organic vapour cartridge if necessary. Wear air supplied respiratory protection if exposure concentrations are unknown or if air-purifying respirators may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE:	Liquid
ODOUR:	Floral.
ODOUR THRESHOLD:	No data available.
COLOUR:	Yellow to brown.
pH:	7.22
MELTING POINT / FREEZING POINT:	No data available.
BOILING POINT:	No data available.
FLASH POINT:	> 87 °C (PMCC).
FLAMMABILITY (solid, gas):	This product is flammable.
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	No data available.
VAPOUR PRESSURE:	0.29 hPa @ 20 °C.
VAPOUR DENSITY:	5.2
SOLUBILITY:	Emulsifies.
PARTITION CO-EFFICIENT, n-OCTANOL / WATER:	No data available.
AUTO-IGNITION TEMPERATURE:	346 °C.
DECOMPOSITION TEMPERATURE:	290 °C.
VISCOSITY:	5.9 mPa.s @ 39.9 °C.
SPECIFIC GRAVITY (Water = 1):	1.077 g/ml
DENSITY:	1.077 kg/L

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.



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10. STABILITY AND REACTIVITY

10.1 REACTIVITY

Stable

10.2 CHEMICAL STABILITY

Stable under normal handling and storage conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No reactions known under normal use conditions. Will not polymerize.

10.4 CONDITIONS TO AVOID

Some components of this product can decompose at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems.

10.5 INCOMPATIBLE MATERIALS

Avoid contact with strong acids, bases amines, oxidizing agents, halogens and sodium hypochlorite.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Carbon monoxide. Carbon dioxide. Hydrogen chloride. Hydrogen fluoride. Nitrogen oxides. Toxic gases are released during decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 LIKELY ROUTES OF EXPOSURE

Inhalation. Skin contact, Eye contact.

Eye Contact: May cause moderate eye irritation which may be slow to heal. May cause slight corneal injury.

Skin Contact: Brief contact may cause severe skin irritation with pain and local redness. May cause drying and flaking of the skin. Prolonged contact may cause skin irritation, even a burn.

Ingestion: Low toxicity if ingested. May be harmful if swallowed in large amounts.

Inhalation: No adverse effects are anticipated from single exposure to mist. Excessive exposure may cause irritation to upper respiratory tract (nose and throat) and lungs.

Symptoms of Exposure: None expected.

LC₅₀ (rat): >5.12 mg/L (4 HR).

LD₅₀ Oral (female rat): 3,129 mg/kg

LD₅₀ Dermal (rat): >5,000 mg/kg

Acute Toxicity Estimates: No data available

Skin Irritation (rabbit): Skin irritant

Eye Irritation (rabbit): Severe irritant

Specific Target Organ Toxicity: In animals, effects have been reported on the following organs: Liver. Blood. Spleen.

Aspiration: May cause respiratory irritation.

Skin Sensitization (guinea pig): Has caused allergic skin reactions when tested on guinea pigs.

Carcinogenicity: An increase in spontaneously occurring tumors observed in mice is of questionable relevance. No increases in tumors were observed in rats.

Reproductive Toxicity: In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals.

Developmental Toxicity: Has been toxic to the fetus in laboratory animals at doses toxic to the mother. Did not cause birth defects in laboratory animals.

Germ Cell Mutagenicity: No data available

Interactive Effects: None known.



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12. ECOLOGICAL INFORMATION

12.1 ECOTOXICITY

Oxyfluorfen is toxic to fish and aquatic invertebrates but not considered toxic to birds, bees or worms.

Acute toxicity to fish

Material is very highly toxic to aquatic organisms on an acute basis ($LC_{50}/EC_{50} < 0.1$ mg/L in the most sensitive species).

LC_{50} , Rainbow trout (*Oncorhynchus mykiss*), static test, 96 Hour, 0.25 mg/l

Acute toxicity to aquatic invertebrates

EC_{50} , water flea *Daphnia magna*, 48 Hour, 0.072 mg/l

Acute toxicity to algae/aquatic plants

EbC_{50} , diatom *Navicula* sp., static test, 96 Hour, Biomass, 0.031 mg/l, OECD Test Guideline 201 or Equivalent

Chronic toxicity to fish

NOEC, *Pimephales promelas* (fathead minnow), flow-through test, 33 d, survival, 0.038 mg/l

NOEC, *Pimephales promelas* (fathead minnow), flow-through test, 265 d, survival, 0.005 mg/l

NOEC, *Cyprinodon variegatus* (sheepshead minnow), flow-through test, 34 d, growth, 0.0047 mg/l

Chronic toxicity to aquatic invertebrates

NOEC, water flea *Daphnia magna*, flow-through test, 21 d, 0.013 mg/l

Toxicity to Above Ground Organisms

Material is practically non-toxic to birds on an acute basis ($LD_{50} > 2000$ mg/kg).

Material is practically non-toxic to birds on a dietary basis ($LC_{50} > 5000$ ppm).

LD_{50} , *Colinus virginianus* (Bobwhite quail), $> 2,150$ mg/kg

LC_{50} , *Anas platyrhynchos* (Mallard duck), 8 d, $> 5,000$ mg/kg

Oral LD_{50} , *Apis mellifera* (bees), 48 Hour, > 100 micrograms/bee

Contact LD_{50} , *Apis mellifera* (bees), 48 Hour, > 100 micrograms/bee

Dietary LC_{50} , *Colinus virginianus* (Bobwhite quail), $> 5,000$ mg/kg

Drift or runoff may adversely affect non-target plants.

Do not apply directly to water.

Do not contaminate water when disposing of equipment wash water.

Do not apply when weather conditions favor drift from target area.

12.2 PERSISTENCE AND DEGRADABILITY

Biodegradability: No data available.

12.3 BIOACCUMULATIVE POTENTIAL

Bioaccumulation: No data available.

12.4 MOBILITY IN SOIL

Oxyfluorfen is persistent and relatively immobile in soil. The most likely route of dissipation is soil binding. Laboratory data suggest that once the soilbound oxyfluorfen reaches deep or turbid surface water it will persist since it is stable to hydrolysis and since light penetration would be limited; however, it may degrade by photolysis in clear, shallow water. Oxyfluorfen can contaminate surface water through spray drift and runoff; however, it is unlikely to contaminate ground water because it is relatively immobile in the soil column; therefore, the likelihood of leaching is small. No degradates were identified, and therefore, only the parent, oxyfluorfen, is of toxicological concern for risk assessment.

12.5 OTHER ADVERSE EFFECTS

Assessment: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Before taking container to the collection site: Triple or pressure-rinse the empty container, adding the rinsate to the spray tank. Make the empty container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Do not contaminate water, food or feed by storage or disposal.



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14. TRANSPORT INFORMATION

14.1 LAND TRANSPORT

TDG Shipping Description: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE. LIQUID, N.O.S. (OXYFLUORFEN), 9, III, MARINE POLLUTANT

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS

NFPA & HMIS Hazard Ratings:

NFPA

3	Health	0	Least
1	Flammability	1	Slight
0	Instability	2	Moderate
		3	High
		4	Severe

HMIS

3	Health
1	Flammability
0	Reactivity
H	PPE

CEPA – Domestic Substances List (DSL): All substances in this product are listed on the DSL or not required to be listed

Hazardous Products Act Information: CPR Compliance: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

WHMIS [Canada]: Pest control products are not controlled under WHMIS. Classified D2B.

National Fire Code of Canada: Not applicable.

Read the approved label, authorized under the Pest Control Products Act, prior to handling the pest control product.

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labeling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control product label.



DANGER

POISON

SKIN IRRITANT
EYE IRRITANT
POTENTIAL SKIN SENSITIZER

16. OTHER INFORMATION

SDS STATUS: New.

PREPARED BY: Product Stewardship and Regulatory Affairs

REVIEWED BY: Safety, Health and Environment

PCP (Pest Control Products Act) Registration No. 33560

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