

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

1/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name TUNDRA® HERBICIDE
Product code (UVP) 79214294
SDS Number 102000018284
PCP Registration No. 29367

Relevant identified uses of the substance or mixture and uses advised against

Use Herbicide
Restrictions on use See product label for restrictions.

Information on supplier

Supplier Bayer CropScience Inc
#200, 160 Quarry Park Blvd, SE
Calgary, Alberta T2C 3G3
Canada
Responsible Department Email: SDSINFO.BCS-NA@bayer.com

Emergency telephone no.

Emergency Telephone Number (24hr/ 7 days) 1-800-334-7577
Product Information Telephone Number 1-888-283-6847

SECTION 2: HAZARDS IDENTIFICATION

Classified in accordance with Part 2 of the Hazardous Products Regulations

Serious eye damage, Aspiration hazard, Skin sensitisation: Category 1
Skin irritation, Reproductive toxicity, Carcinogenicity, Specific target organ toxicity - repeated exposure:

Category 2

Acute toxicity(Oral, Inhalation): Category 4
Specific target organ toxicity - single exposure: Category 3

Labelling in accordance with Part 3 of the Hazardous Products Regulations



Signal word: Danger

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

2/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

Hazard statements

Causes serious eye damage.
May be fatal if swallowed and enters airways.
May cause an allergic skin reaction.
Causes skin irritation.
Suspected of damaging fertility or the unborn child.
Suspected of causing cancer.
Harmful if inhaled.
May cause damage to organs through prolonged or repeated exposure.
May cause respiratory irritation.

Precautionary statements

Wear protective gloves/ protective clothing/ eye protection/ face protection.
Contaminated work clothing should not be allowed out of the workplace.
Do not breathe gas/ mist/ vapours/ spray.
Wash thoroughly after handling.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor/ physician.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of water/ soap.
If skin irritation or rash occurs: Get medical advice/ attention.
Specific treatment (see supplemental first aid instructions on this label).
Take off contaminated clothing and wash before reuse.
IF exposed or concerned: Get medical advice/ attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor/physician if you feel unwell.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local regulation.

Hazards Not Otherwise Classified (HNOC)

No physical hazards not otherwise classified.
No health hazards not otherwise classified.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

3/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

| Hazardous Component Name | CAS-No. | Concentration % by weight |
|---|-------------|---------------------------|
| Bromoxynil octanoate | 1689-99-2 | 6.13 |
| Bromoxynil heptanoate | 56634-95-8 | 5.93 |
| Fenoxaprop-P-ethyl | 71283-80-2 | 4.56 |
| Pyrasulfotole | 365400-11-9 | 1.50 |
| Solvent Naphtha (petroleum), heavy aromatic | 64742-94-5 | 28.1 |
| Reaction mass of N,N-Dimethyldecan-1-amide and N,N-Dimethyloctanamide | | 22.5 |
| Alcohols, C11-14-iso-, C13-rich, ethoxylated | 78330-21-9 | 17.5 |
| Naphthalene | 91-20-3 | 2.9 |
| Benzenesulfonic acid, mono-C10-13-alkyl derivs., calcium salts | 90194-36-8 | 1.9 |
| 2-Ethylhexanole | 104-76-7 | 1.7 |
| Toluene | 108-88-3 | 0.1 |

SECTION 4: FIRST AID MEASURES

Description of first aid measures

| | |
|-----------------------|---|
| General advice | When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment. |
| Inhalation | Move 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. |
| Skin contact | Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a physician or poison control center immediately. |
| 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 physician or poison control center immediately. |
| Ingestion | Call a physician or poison control center immediately. Rinse out mouth and give water in small sips to drink. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended. |

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

| | |
|------------------|---|
| Risks | Contains hydrocarbon solvents. May pose an aspiration pneumonia hazard. |
| Treatment | Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended. There is no specific antidote. |

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

4/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Suitable Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable High volume water jet

Special hazards arising from the substance or mixture Dangerous gases are evolved in the event of a fire.

Advice for firefighters

Special protective equipment for firefighters Firefighters should wear NIOSH approved self-contained breathing apparatus and full protective clothing.

Further information Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.

Flash point > 93.3 °C
Auto-ignition temperature No data available
Lower explosion limit No data available
Upper explosion limit No data available
Explosivity Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Precautions Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

Methods and materials for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations. Decontaminate tools and equipment following cleanup.

Additional advice Use personal protective equipment. If the product is accidentally spilled, do not allow to enter soil, waterways or waste water canal. Do not allow product to contact non-target plants.

Reference to other sections Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal, see section 13.

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

5/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Use only in area provided with appropriate exhaust ventilation. Handle and open container in a manner as to prevent spillage.

Hygiene measures Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics.
Remove Personal Protective Equipment (PPE) immediately after handling this product. Before removing gloves clean them with soap and water. Remove soiled clothing immediately and clean thoroughly before using again. Wash thoroughly and put on clean clothing.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection products, fertilizers, food, and feed. Protect from freezing.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

| Components | CAS-No. | Control parameters | Update | Basis |
|----------------------|------------|--|---------|---------------|
| Bromoxynil octanoate | 1689-99-2 | 0.21 mg/m ³ (SK-SEN) | | OES BCS* |
| Fenoxaprop-P-ethyl | 71283-80-2 | 2.6 mg/m ³ (TWA) | | OES BCS* |
| Naphthalene | 91-20-3 | 52 mg/m ³ /10 ppm (TWA) | 07 2009 | CAD AB OEL |
| Naphthalene | 91-20-3 | 79 mg/m ³ /15 ppm (STEL) | 07 2009 | CAD AB OEL |
| Naphthalene | 91-20-3 | 10 ppm (TWA) | 09 2011 | CAD BC OEL |
| Naphthalene | 91-20-3 | 15 ppm (STEL) | 09 2011 | CAD BC OEL |
| Naphthalene | 91-20-3 | 10 ppm (TWA) | 03 2011 | CAD MB OEL |
| Naphthalene | 91-20-3 | 10 ppm (TWA) | 11 2010 | CAD ON OEL |

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

6/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

| | | | | |
|--|------------|--|---------|---------------|
| Naphthalene | 91-20-3 | 15 ppm (STEL) | 11 2010 | CAD ON OEL |
| Naphthalene | 91-20-3 | 10 ppm (8 HR ACL) | 05 2009 | CAD SK OEL |
| Naphthalene | 91-20-3 | 15 ppm (15 MIN ACL) | 05 2009 | CAD SK OEL |
| Naphthalene | 91-20-3 | 79 mg/m ³ /15 ppm (STEL) | 11 2011 | OEL (QUE) |
| Naphthalene | 91-20-3 | 52 mg/m ³ /10 ppm (TWA) | 11 2011 | OEL (QUE) |
| Naphthalene | 91-20-3 | 10 ppm (TLV) | | OES BCS* |
| Solvent Naphtha (petroleum), heavy aromatic (Vapor.) | 64742-94-5 | 200 mg/m ³ (TWA) | 07 2009 | CAD AB OEL |
| Solvent Naphtha (petroleum), heavy aromatic (Non-aerosol.) | 64742-94-5 | 200 mg/m ³ (TWA) | 05 2013 | CAD BC OEL |
| Solvent Naphtha (petroleum), heavy aromatic (Non-aerosol.) | 64742-94-5 | 200 mg/m ³ (TWA) | 03 2014 | CAD MB OEL |
| Solvent Naphtha (petroleum), heavy aromatic (Non-aerosol.) | 64742-94-5 | 200 mg/m ³ (TWA) | 11 2010 | CAD ON OEL |
| Solvent Naphtha (petroleum), heavy aromatic | 64742-94-5 | 525 mg/m ³ (TWA) | 11 2010 | CAD ON OEL |
| Solvent Naphtha (petroleum), heavy aromatic (Vapor.) | 64742-94-5 | 200 mg/m ³ (8 HR ACL) | 05 2009 | CAD SK OEL |
| Solvent Naphtha (petroleum), heavy aromatic (Vapor.) | 64742-94-5 | 250 mg/m ³ (15 MIN ACL) | 05 2009 | CAD SK OEL |
| Toluene | 108-88-3 | 188 mg/m ³ /50 ppm (TWA) | 07 2009 | CAD AB OEL |
| Toluene | 108-88-3 | 20 ppm (TWA) | 09 2011 | CAD BC OEL |
| Toluene | 108-88-3 | 20 ppm | 03 2011 | CAD MB |

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

7/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

| | | (TWA) | | OEL |
|---------|----------|--|---------|---------------|
| Toluene | 108-88-3 | 20 ppm (TWA) | 11 2010 | CAD ON OEL |
| Toluene | 108-88-3 | 60 ppm (15 MIN ACL) | 05 2009 | CAD SK OEL |
| Toluene | 108-88-3 | 50 ppm (8 HR ACL) | 05 2009 | CAD SK OEL |
| Toluene | 108-88-3 | 188 mg/m ³ /50 ppm (TWA) | 11 2011 | OEL (QUE) |
| Toluene | 108-88-3 | 20 ppm (TLV) | | OES BCS* |

*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection

When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

Hand protection

Chemical resistant nitrile rubber gloves

Eye protection

Use tightly sealed goggles and face protection.

Skin and body protection

Wear long-sleeved shirt and long pants and shoes plus socks.

General protective measures

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water.
Keep and wash PPE separately from other laundry.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|----------------------|--|
| Appearance | beige to brown |
| Physical State | Liquid |
| Odor | aromatic |
| Odour Threshold | No data available |
| pH | 6.3 - 6.5 (10 %) (23 °C) (deionized water) |
| Viscosity, kinematic | No data available |
| Vapor Pressure | No data available |

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

8/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

| | |
|---|---------------------------------|
| Vapor Density (Air = 1) | No data available |
| Density | 1.04 g/cm ³ (20 °C) |
| Evaporation rate | No data available |
| Boiling Point | No data available |
| Melting / Freezing Point | No data available |
| Water solubility | emulsifiable |
| Minimum Ignition Energy | Not applicable |
| Decomposition temperature | Stable under normal conditions. |
| Self-accelerating decomposition temperature (SADT) | No data available |
| Partition coefficient: n-octanol/water | No data available |
| Viscosity | 17.6 cps |
| Flammability | No data available |
| Flash point | > 93.3 °C |
| Auto-ignition temperature | No data available |
| Lower explosion limit | No data available |
| Upper explosion limit | No data available |
| Explosivity | Not applicable |
| Particle size | No data available |

SECTION 10: STABILITY AND REACTIVITY

Reactivity

| | |
|---|--|
| Thermal decomposition | Stable under normal conditions. |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | No hazardous reactions when stored and handled according to prescribed instructions. |

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

9/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

| | |
|---|--|
| Conditions to avoid | Extremes of temperature and direct sunlight. |
| Incompatible materials | No incompatible materials known. |
| Hazardous decomposition products | No decomposition products expected under normal conditions of use. |

SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|--------------------------|---|
| Exposure routes | Eye contact, Skin contact, Ingestion, Inhalation |
| Immediate Effects | |
| Eye | Corrosive to eyes. Causes eye irritation. |
| Skin | May cause sensitisation by skin contact. May cause skin irritation. |
| Ingestion | Harmful or fatal if swallowed. |

Information on toxicological effects

| | |
|--|---|
| Acute oral toxicity | LD50 (female Rat) 1,105 mg/kg |
| Acute inhalation toxicity | LC50 (Rat) > 2.02 mg/l Exposure time: 4 h Determined in the form of liquid aerosol. highest concentration tested |
| Acute dermal toxicity | LD50 (Rat) > 2,000 mg/kg |
| Skin corrosion/irritation | Moderate skin irritation. (Rabbit) |
| Serious eye damage/eye irritation | Severe eye irritation. (Rabbit) |
| Respiratory or skin sensitisation | Skin: Sensitising (Guinea pig) |

Assessment STOT Specific target organ toxicity – single exposure

Bromoxynil: Based on available data, the classification criteria are not met.
Fenoxaprop-P-ethyl: Based on available data, the classification criteria are not met.
Pyrasulfotole: Based on available data, the classification criteria are not met.

Assessment STOT Specific target organ toxicity – repeated exposure

Bromoxynil caused specific target organ toxicity in experimental animal studies in the following organ(s): Liver. The observed effects do not appear to be relevant for humans.
Fenoxaprop-P-ethyl did not cause specific target organ toxicity in rats. Fenoxaprop-P-ethyl caused specific target organ toxicity in experimental animal studies in mice in the following organ(s): Kidney.
Pyrasulfotole did not cause specific target organ toxicity in experimental animal studies.

Assessment mutagenicity

Bromoxynil was not mutagenic or genotoxic based on the overall weight of evidence in a battery of in vitro and in vivo tests.
Fenoxaprop-P-ethyl was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.
Pyrasulfotole was not genotoxic in a battery of in vitro and in vivo tests.

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

10/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

Assessment carcinogenicity

Bromoxynil caused at high dose levels an increased incidence of tumours in mice in the following organ(s): Liver. The mechanism of tumour formation is not considered to be relevant to man.
Fenoxaprop-P-ethyl demonstrated no carcinogenic potential in a lifetime feeding study in rats.
Fenoxaprop-P-ethyl caused an increased incidence of liver tumours in mice at high doses. Fenoxaprop-P-ethyl causes tumours through peroxisome proliferation. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.
Pyrasulfotole caused at high dose levels an increased incidence of tumours in the following organ(s): Cornea, urinary bladder. The mechanism that triggers tumours in rodents and the type of tumours observed are not relevant to humans.

ACGIH

| | | |
|---|------------|----------|
| Solvent Naphtha (petroleum), heavy aromatic | 64742-94-5 | Group A3 |
| Naphthalene | 91-20-3 | Group A3 |
| Toluene | 108-88-3 | Group A4 |

NTP

| | |
|-------------|---------|
| Naphthalene | 91-20-3 |
|-------------|---------|

IARC

| | | |
|-------------|----------|------------------------|
| Naphthalene | 91-20-3 | Overall evaluation: 2B |
| Toluene | 108-88-3 | Overall evaluation: 3 |

OSHA

None.

Assessment toxicity to reproduction

Bromoxynil did not cause reproductive toxicity in a two-generation study in rats.
Fenoxaprop-P-ethyl did not cause reproductive toxicity in a two-generation study in rats.
Pyrasulfotole did not cause reproductive toxicity in a two-generation study in rats.

Assessment developmental toxicity

Bromoxynil caused a delayed foetal growth, an increased incidence of non-specific malformations.
Bromoxynil caused developmental toxicity only at dose levels toxic to the dams.
Fenoxaprop-P-ethyl did not cause developmental toxicity in rats and rabbits.
Pyrasulfotole did not cause developmental toxicity in rats and rabbits.

Aspiration hazard

May be fatal if swallowed and enters airways.

Further information

Only acute toxicity studies have been performed on the formulated product.
The non-acute information pertains to the active ingredient(s).

SECTION 12: ECOLOGICAL INFORMATION

Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)) 0.39 mg/l

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

11/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

Exposure time: 96 h
The value mentioned relates to the active ingredient fenoxaprop-P-ethyl.

LC50 (Lepomis macrochirus (Bluegill sunfish)) 0.19 mg/l

Exposure time: 96 h
The value mentioned relates to the active ingredient fenoxaprop-P-ethyl.

LC50 (Lepomis macrochirus (Bluegill sunfish)) 0.041 mg/l

Exposure time: 96 h
The value mentioned relates to the active ingredient bromoxynil octanoate.

LC50 (Lepomis macrochirus (Bluegill sunfish)) 0.029 mg/l

Exposure time: 96 h
The value mentioned relates to the active ingredient bromoxynil heptanoate.

Chronic toxicity to fish

Oncorhynchus mykiss (rainbow trout)

NOEC: 0.036 mg/l

Exposure time: 91 d

The value mentioned relates to the active ingredient fenoxaprop-P-ethyl.

Toxicity to aquatic invertebrates

EC50 (Daphnia magna (Water flea)) > 1.058 mg/l

Exposure time: 48 h

The value mentioned relates to the active ingredient fenoxaprop-P-ethyl.
No acute toxicity was observed at its limit of water solubility.

EC50 (Daphnia magna (Water flea)) 0.046 mg/l

Exposure time: 48 h

The value mentioned relates to the active ingredient bromoxynil octanoate.

EC50 (Daphnia magna (Water flea)) 0.031 mg/l

Exposure time: 48 h

The value mentioned relates to the active ingredient bromoxynil heptanoate.

Chronic toxicity to aquatic invertebrates

NOEC (Daphnia (water flea)): 0.22 mg/l

Exposure time: 21 d

The value mentioned relates to the active ingredient fenoxaprop-P-ethyl.

Toxicity to aquatic plants

EC50 (Raphidocelis subcapitata (freshwater green alga)) 0.54 mg/l

Biomass; Exposure time: 72 h

The value mentioned relates to the active ingredient fenoxaprop-P-ethyl.

EC50 (Navicula pelliculosa (Freshwater diatom)) 0.043 mg/l

Exposure time: 120 h

The value mentioned relates to the active ingredient bromoxynil octanoate.

EC50 (Raphidocelis subcapitata (freshwater green alga)) 0.083 mg/l

Exposure time: 120 h

The value mentioned relates to the active ingredient bromoxynil heptanoate.

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

12/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

| | |
|----------------------------------|--|
| | EC50 (Lemna gibba (gibbous duckweed)) 0.073 mg/l The value mentioned relates to the active ingredient bromoxynil octanoate. |
| | EC50 (Lemna gibba (gibbous duckweed)) 0.21 mg/l Exposure time: 336 h The value mentioned relates to the active ingredient bromoxynil heptanoate. |
| Toxicity to bacteria | EC50 (activated sludge) > 1,000 mg/l Exposure time: 3 h The value mentioned relates to the active ingredient fenoxaprop-P-ethyl. |
| Biodegradability | Bromoxynil: Not rapidly biodegradable Fenoxaprop-P-ethyl: Not rapidly biodegradable Pyrasulfotole: Not rapidly biodegradable |
| Koc | Bromoxynil: Koc: 108 - 239 Fenoxaprop-P-ethyl: Koc: 11354 Pyrasulfotole: Koc: 20 - 213; log Koc: 2.34 |
| Bioaccumulation | Bromoxynil: Bioconcentration factor (BCF) 230 Does not bioaccumulate. Fenoxaprop-P-ethyl: Bioconcentration factor (BCF) 338 Does not bioaccumulate. Pyrasulfotole: Does not bioaccumulate. |
| Mobility in soil | Bromoxynil: Moderately mobile in soils Fenoxaprop-P-ethyl: Immobile in soil Pyrasulfotole: Moderately mobile in soils |
| Environmental precautions | 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 contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Apply this product as specified on the label. |

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-------------------------------|---|
| Product | Do not contaminate water, food, or feed by disposal. Dispose in accordance with all local, state/provincial and federal regulations. It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines. |
| Contaminated packaging | Do not re-use empty packagings. Triple rinse containers. |

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

13/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

Puncture container to avoid re-use.
Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State/Provincial and local authorities, by burning.
If burned, stay out of smoke.
Follow advice on product label and/or leaflet.

SECTION 14: TRANSPORT INFORMATION

TDG

| | |
|----------------------|--|
| UN number | 3082 |
| Labels | 9 |
| Packaging group | III |
| Marine pollutant | Marine pollutant |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FENOXAPROP-P-ETHYL, BROMOXYNIL) |

49CFR

| | |
|----------------------|--|
| UN number | 3082 |
| Class | 9 |
| Packaging group | III |
| Marine pollutant | Marine pollutant |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (FENOXAPROP-P-ETHYL, BROMOXYNIL, NAPHTHALENE) |
| RQ | Reportable Quantity is reached with 3,448 lb of product. |

IMDG

| | |
|----------------------|---|
| UN number | 3082 |
| Class | 9 |
| Packaging group | III |
| Marine pollutant | YES |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FENOXAPROP-P-ETHYL, BROMOXYNIL SOLUTION) |

IATA

| | |
|--------------------------|--|
| UN number | 3082 |
| Class | 9 |
| Packaging group | III |
| Environm. Hazardous Mark | YES |
| Proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (FENOXAPROP-P-ETHYL, BROMOXYNIL SOLUTION) |

This transportation information is not intended to convey all specific regulatory information relating to this product. It does not address regulatory variations due to package size or special transportation requirements.

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

14/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

Further Information Exempt from regulation when transported by road or rail, in accordance with TDG Regulations 1.45.1. This exemption provides that this product does not require dangerous goods shipping documentation or safety marks when transported on land by road or rail.

SECTION 15: REGULATORY INFORMATION

PCP Registration No. 29367

PMRA Information:

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

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

Signal word: Danger!

Hazard statements: Harmful or fatal if swallowed.
Causes eye irritation.
Corrosive to eyes.
Potential skin sensitizer.
May cause skin irritation.

There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

| | |
|---------|---|
| 49CFR | Code of Federal Regulations, Title 49 |
| ACGIH | US. ACGIH Threshold Limit Values |
| ATE | Acute toxicity estimate |
| CAS-Nr. | Chemical Abstracts Service number |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| EINECS | European inventory of existing commercial substances |
| ELINCS | European list of notified chemical substances |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| N.O.S. | Not otherwise specified |

SAFETY DATA SHEET



TUNDRA® HERBICIDE

Version 3.0 / CDN
102000018284

15/15
Revision Date: 06/22/2020
Print Date: 06/23/2020

| | |
|------|---|
| NTP | US. National Toxicology Program (NTP) Report on Carcinogens |
| OECD | Organization for Economic Co-operation and Development |
| TDG | Transportation of Dangerous Goods |
| TWA | Time weighted average |
| UN | United Nations |
| WHO | World health organisation |

NFPA 704 (National Fire Protection Association):

Health - 3 Flammability - 1 Instability - 0 Others - none

HMIS (Hazardous Materials Identification System, based on the Third Edition Ratings Guide)

Health - 3 Flammability - 1 Physical Hazard - 1 PPE -

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason for Revision: The following sections have been revised: Section 2: Hazards Identification. Section 3: Composition / Information on Ingredients. Section 8: Exposure Controls / Personal Protection. Section 12. Ecological information. Section 14: Transport Information. Section 15: Regulatory information. Reviewed and updated for general editorial purposes.

Prepared by the HSE Department of Bayer CropScience Inc. (306)-721-0310.

Revision Date: 06/22/2020

This information is provided in good faith but without express or implied warranty. The customer assumes all responsibility for safety and use not in accordance with label instructions. The product names are registered trademarks of Bayer.