



Statue Herbicide Safety Data Sheet

Issue Date: 2018-04-30

Supersedes Date: 2018-02-21

1. Identification

Product Name: Statue Herbicide

PCP Registration No.: 32885

Refer to the approved product label for handling and use instructions.

Product Type: Herbicide

Supplier: Nufarm Agriculture Inc.
5101, 333 96th Ave NE
Calgary, Alberta, T3K 0S3, Canada
1-800-868-5444

Telephone Numbers: 24 Hour Emergency Response Number, Chemtrec, 1-800-424-9300.
For medical emergencies, ProPharma Group, 1-877-325-1840.
For product and use information, Nufarm Agriculture Inc.,
1-800-868-5444.

2. Hazard Identification

Classified according to UN GHS Version 5.

Physical Hazards:

Flammable liquid Category 4

Health Hazards:

Aspiration hazard Category 1
Acute toxicity (Inhalation) Category 4
Acute toxicity (Oral) Category 4
Acute toxicity (Dermal) Category 5
Skin sensitizer Category 1
Skin irritation Category 2
Eye irritation Category 2A

Environmental Hazards:

Toxic to aquatic life.

Signal Word:

DANGER

Hazard Statements:

Combustible liquid. May be fatal if swallowed and enters airways. Harmful if inhaled.
Harmful if swallowed. May be harmful in contact with skin. May be fatal if swallowed

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and enters airways. Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life.



Precautionary Statements:

Keep away from flames and hot surfaces.

May be harmful in contact with skin. Avoid contact with skin, eyes and clothing. After use, wash hands and other exposed skin. Wear coveralls over a long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal. Remove and wash contaminated clothing before reuse.

Avoid contact with eyes.

Avoid breathing spray mist. Use only outdoors or in a well-ventilated area.

Harmful if swallowed. Do not eat, drink or smoke when using this product.

This product contains petroleum distillates which are toxic to aquatic organisms.

3. Composition / Information on Ingredients
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Hazardous Components	CAS No.	Wt. %
clethodim	99129-21-2	24.3-25.8
Chemical Synonyms: 2-((E)-1-(((E)-3-chloroallyloxy)imino)propyl)-5-(2-(ethylthio)propyl)-3-hydroxycyclohex-2-enone; (E,E)-(?-2-[1-[[3-chloro-2-propenyl]oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one		
Solvent naphtha (petroleum), heavy aromatic, naphthalene depleted	64742-94-5	62.5-66.3

Other ingredients are considered non-hazardous.

Content as Expressed on Product Label
Clethodim...240 g/L

4. First Aid Measures

If swallowed, call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

If on skin or clothing, 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.

If in eyes, 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.

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If inhaled, 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 further treatment advice.

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

Note to physician: Treat symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. Danger from lung aspiration of petroleum based solvents must be weighed against toxicity when considering emptying stomach.

5. Fire-fighting Measures

Extinguishing Media: Water fog, alcohol foam, carbon dioxide, dry chemical.

Special Firefighting Procedures: Firefighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Minimize and contain water runoff.

Flash Point:..... 67.5°C for a similar product

Conditions of Flammability: Combustible liquid. May burn under fire conditions.

Hazardous Decomposition Products:... May emit toxic fumes of hydrogen chloride or phosgene if involved in fires or exposed to extreme heat.

National Fire Protection Association (NFPA) Hazard Rating:

Rating for this product: Health: 2 Flammability: 2 Reactivity: 0

Hazards Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

6. Accidental Release Measures

Use safety equipment and procedures appropriate to the size of the spill. Keep unnecessary people away. Avoid runoff to natural waters and sewers. Surround and absorb spills with inert material such as perlite, sawdust, clay granules, vermiculite, sand or dirt. Contain all affected material in a closed, labeled container for proper disposal. Isolate from other waste materials. Clean contaminated area such as hard surfaces with detergent and water, collecting cleaning solution for proper disposal. Large spills to soil or similar surfaces may necessitate removal of top soil.

7. Handling and Storage

Handling: Avoid contact with skin, eyes and clothing. Wear goggles or face shield during mixing/loading. Wash concentrate from skin or eyes immediately. After use, wash hands and other exposed skin. Wear coveralls over a long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal. Remove and wash contaminated clothing before reuse.

Storage: Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. Do not store below 0°C

8. Exposure Controls / Personal Protection

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Engineering Controls: Use only outdoors or in a well-ventilated area.

Personal Protective Equipment: Goggles or face shield, coveralls, long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal.

Exposure Guidelines:

Component	TWA*	STEL**	Reference/Note
clethodim	NE	NE	None found
Solvent naphtha (petroleum), heavy aromatic, naphthalene depleted	17 ppm	100 mg/m ³	Supplier recommendation

*Time-weighted Average, 8-hour unless otherwise noted.

**Short Term Exposure Limit

NE = Not Established

Refer to approved product label for additional exposure control guidance.

9. Physical and Chemical Properties
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NOTE: Physical data are typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification. If no value is determined for the formulation, the value listed is the most relevant value of the predominant ingredient(s).

Appearance (physical state, colour, etc.) amber liquid
Odour mild aromatic odour
Odour threshold not available
pH 4.44
Melting point / Freezing point not available
Initial boiling point and boiling range not available
Flash point 67.5°C
Evaporation rate not available
Flammability (solids, gases) not applicable
Upper / Lower flammability or explosive limits ... LEL = 0.7, UEL = 5.6 vol. % in air (solvent)
Vapour pressure <0.01 mPa @ 20°C
Vapour density not available
Relative density 0.95
Solubility(ies) product is emulsifiable in water
Partition coefficient: n-octanol/water K_{ow} Log P 4.18
Autoignition temperature not available
Decomposition temperature not available
Viscosity 2.01 mPa(s) @ 25C

10. Stability and Reactivity

Reactivity: Not reactive.

Chemical Stability: Stable under normal handling and storage conditions.

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Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Excessive heat. Do not store near heat or flame.

Incompatible Materials: Avoid contact with strong acidic, basic or oxidizing agents.

Hazardous Decomposition Products: Under fire conditions, may produce gases such as hydrogen chloride or phosgene.

11. Toxicological Information

Likely routes of exposure: Inhalation, ingestion, skin and eye contact.

Eye contact: Causes mild eye irritation. Causes redness and tearing.

Skin contact: May be harmful if absorbed through skin. Causes mild skin irritation. May cause an allergic skin reaction.

Ingestion: Harmful if swallowed. May cause nausea, vomiting, abdominal pain, decreased blood pressure, muscle weakness, muscle spasms.

Inhalation: May be harmful if inhaled. Vapours could cause headache, nausea, dizziness and respiratory irritation if inhaled.

Medical Conditions Aggravated by Exposure: Skin exposure may aggravate preexisting skin conditions. Inhalation of mist may aggravate preexisting respiratory conditions.

Toxicological Data:

Acute oral LD₅₀ (mg/kg) 1360 (Rat, female)

Acute dermal LD₅₀ (mg/kg) > 5000 (Rat, male & female) for a similar formulation

Acute inhalation LC₅₀ (mg/l) > 5 mg/L (Rat, male & female, 4-hour, nose-only exp.) for a similar formulation

Skin corrosion/irritation Mildly irritating to the skin (Rabbit)

Serious eye damage/irritation Moderately irritating to the eye (Rabbit)

Respiratory or skin sensitization ... This product is a skin sensitizer

Germ cell mutagenicity Not know to be mutagenic

Carcinogenicity An impurity present in the solvent has been found to cause tumors in laboratory studies. The active ingredient, clethodim, is not considered carcinogenic.

Reproductive toxicity No such effects have been observed in the absence of maternal toxicity.

12. Ecological Information

Ecotoxicity:

Data for the active ingredient, clethodim.

Aquatic Invertebrate: 48-Hour EC₅₀ (mg/L) 120 (*Daphnia*)

Fish: 96-Hour LC₅₀ (mg/L) 67 (Rainbow Trt), 120 (Bluegill)

Algae: EC₅₀ (mg ae/L) 57.8 for freshwater algae

Birds: Oral LD₅₀ (mg/kg) >2000 (Bobwhite), Dietary LC₅₀ > 6000 (Mallard, Bobwhite)

Bees: Oral and Contact LD₅₀ > 100 µg/bee

Persistence and Degradability: The average half-life of clethodim is 1-3 days.

Mobility in Soil: Not readily leached.

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Bioaccumulation Potential: Negligible.

13. Disposal Considerations

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Disposal should be made in accordance with federal, provincial and local regulations.

Do not reuse container for any purpose. If applicable, return container in accordance with return program. If a recyclable container, dispose of at a container collection site. Contact local distributor, dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site, triple or pressure rinse the empty container adding rinsings to spray tank, and make container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

14. Transport Information

Canadian TDG Description (Road & Rail):

Not regulated

DOT Description:

≥ 119 gallons per complete package

NA 1993, Combustible, liquid, n.o.s. (Napthalene), 3, III, Marine Pollutant

IMDG

Not regulated

IATA

Not regulated

15. Regulatory Information

Pest Control Products Act Registration Number: 32885

Read the approved label, authorized under the Pest Control Products Act, prior to using or 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 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. Following is the hazard information required on the pest control product label:

WARNING: EYE AND SKIN IRRITANT

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WHMIS exempt.

16. Other Information

This Safety Data Sheet (SDS) is designed to comply with the Globally Harmonized System (GHS) of classification, and the *Hazardous Products Regulations*.

This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use. The product labeling provides that information specifically for product use as intended.

Company and published information is used in the development of this SDS. The information herein is presented in good faith and believed accurate at the date of publication. However, no warranty, expressed or implied, is given.

Revisions to the last issue: Correction of Flash Point value; change of address.

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