



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 24-Aug-2022

Revision Date 10-Apr-2024

Revision Number 4

1. Identification

Product identifier

Product Name Smoke 540

Other means of identification

Product Code(s) PMRA Reg. No.: 33697

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Herbicide

Restrictions on use Use only as directed on product label

Details of the supplier of the safety data sheet

Manufacturer Address

Farmer's Business Network Canada, Inc.
PO Box 5607
High River, Alberta
Canada T1V 1M7
1-844-200-FARM (3276)

E-mail regulatory@farmersbusinessnetwork.com

Emergency telephone number

Emergency telephone For Emergency Medical Assistance (Human or Animal) contact Rocky Mountain Poison Control at 866-767-5040
For Chemical Emergency Assistance (Spill, Leak, Fire or Accident) contact CHEMTREC at 800-424-9300 (North America) or 703-527-3887 (International)

2. Hazard(s) identification

Classification

| | |
|-----------------|-------------|
| Carcinogenicity | Category 1B |
|-----------------|-------------|

Label elements



Danger

Hazard statements

May cause cancer

Precautionary Statements - Prevention

Obtain special instructions before use

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

Wear protective gloves, protective clothing, eye protection and face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents and container to an approved waste disposal plant

Other information

May be harmful if swallowed. May be harmful in contact with skin.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

| Chemical name | CAS No. | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--|------------|----------|--|---|
| Glyphosate-potassium | 39600-42-5 | 45 - 60 | - | |
| D-Glucopyranose, oligomers, decyl octyl glycosides | 68515-73-1 | 5 - 10 | - | |

4. First-aid measures

Description of first aid measures

| | |
|-----------------------|--|
| General advice | IF exposed or concerned: Get medical advice/attention. |
| Inhalation | Remove to fresh air. Get medical attention if symptoms occur. |
| Eye contact | Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur. |
| Skin contact | Wash skin with soap and water. Get medical attention if symptoms occur. |
| Ingestion | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention if symptoms occur. |

Most important symptoms and effects, both acute and delayed

| | |
|----------------------------|--|
| Symptoms | None known. |
| Effects of Exposure | May cause cancer. See Section 11 for additional Toxicological Information. |

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

5. Fire-fighting measures

| | |
|---|--|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | None known based on information supplied. |
| Specific hazards arising from the chemical | None known based on information supplied. |
| Explosion data | |
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge | None. |
| Special protective equipment and precautions for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|---|
| Personal precautions | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. |
| Other information | Refer to protective measures listed in Sections 7 and 8. |

Methods and material for containment and cleaning up

| | |
|--|--|
| Methods for containment | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. |
| Prevention of secondary hazards | Clean contaminated objects and areas thoroughly observing environmental regulations. |

7. Handling and storage

Precautions for safe handling

| | |
|--------------------------------|--|
| Advice on safe handling | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Do not mix or apply this product or spray solutions of this product in galvanized steel or unlined steel (except stainless steel) containers or spray tanks. |
|--------------------------------|--|

Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|--|
| Storage Conditions | Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Do not store this product or spray solutions of this product in galvanized steel or unlined steel (except stainless steel) containers or spray tanks. |
| Packaging materials | Stainless steel. High density polyethylene (HDPE). |

8. Exposure controls/personal protection

Control parameters

| | |
|------------------------|---|
| Exposure Limits | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
|------------------------|---|

Appropriate engineering controls

Engineering controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties**Information on basic physical and chemical properties**

Appearance Viscous liquid
Physical state Liquid
Color Amber to brown
Odor Mild
Odor threshold No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|---------------------------|--------------------------------|
| pH | 4.87 - 4.89 | |
| Melting point / freezing point | | No data available |
| Initial boiling point and boiling range | | No data available |
| Flash point | | No data available |
| Evaporation rate | | No data available |
| Flammability | | No data available |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | | No data available |
| Lower flammability or explosive limits | | No data available |
| Vapor pressure | | No data available |
| Relative vapor density | | No data available |
| Relative density | 1.36 - 1.38 @ 20°C | |
| Water solubility | | No data available |
| Solubility in other solvents | | No data available |
| Partition coefficient | | No data available |
| Autoignition temperature | | No data available |
| Decomposition temperature | | No data available |
| Kinematic viscosity | | No data available |
| Dynamic viscosity | 26.3 mPa s | |
| <u>Other information</u> | | |
| Explosive properties | No information available. | |
| Oxidizing properties | No information available. | |

| | |
|------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC content | No information available |
| Liquid Density | No information available |
| Bulk density | No information available |

10. Stability and reactivity

| | |
|------------------------------------|---|
| Reactivity | None under normal use conditions. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | May produce hydrogen gas if this product comes into contact with galvanized steel or unlined steel. |
| Hazardous polymerization | Hazardous polymerization does not occur. |
| Conditions to avoid | Incompatible materials. |
| Incompatible materials | Oxidizing agents, Galvanized steel, Unlined steel. |
| Hazardous decomposition products | None known based on information supplied. |

11. Toxicological information

Information on likely routes of exposure

Product Information

| | |
|--------------|--|
| Inhalation | Specific test data for the substance or mixture is not available. |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | May be harmful in contact with skin. Specific test data for the substance or mixture is not available. May cause irritation. |
| Ingestion | May be harmful if swallowed. Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms None known.

Acute toxicity

Numerical measures of toxicity

| | |
|-----------------|--------------------------------------|
| Oral LD50 | 5,000 mg/kg (rat) |
| Dermal LD50 | > 2,000 mg/kg (rat) |
| Inhalation LC50 | > 5.674 mg/l (rat, 4 hr) (dust/mist) |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|-----------|-------------------------|-----------------|
| D-Glucopyranose, oligomers, decyl octyl glycosides 68515-73-1 | - | > 2000 mg/kg (Rabbit) | - |

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

| | |
|--|---|
| Skin corrosion/irritation | On basis of test data: Non-irritant. |
| Serious eye damage/eye irritation | On basis of test data: Non-irritant. |
| Respiratory or skin sensitization | On basis of test data: Guinea pig maximization test (GPMT) - Guinea pig: Not sensitizing. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|------------------------------------|-------|----------|-----|------|
| Glyphosate-potassium 39600-42-5 | - | Group 2A | - | X |

Legend

IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

Occupational Safety and Health Administration of the US Department of Labor

X - Present

| | |
|---------------------------------|---------------------------|
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |

12. Ecological information

Ecotoxicity

| Product Information | |
|---------------------|--|
| Method | OECD Test No. 203: Fish, Acute Toxicity Test |
| Species | Brachydanio rerio |
| Endpoint type | LC50 |
| Effective dose | > 100 mg/L |
| Exposure time | 96 hours |

| | |
|---------------|--|
| Method | OECD Test No. 217: Soil Microorganisms: Carbon Transformation Test |
| Species | Soil microorganisms |
| Exposure time | 28 d |
| Results | Non-toxic |

| | |
|----------------|--|
| Method | OECD Test No. 202: Daphnia sp. Acute Immobilization Test |
| Species | Daphnia magna |
| Endpoint type | EC50 |
| Effective dose | > 100 mg/L |
| Exposure time | 24; 48 hours |

| | |
|----------------|--|
| Method | OECD Test No. 207: Earthworm, Acute Toxicity Tests |
| Species | Earthworm |
| Endpoint type | LC50 |
| Effective dose | > 5,000 mg/kg |
| Exposure time | 14 d |

| | |
|----------------|---|
| Method | OECD Test No. 214: Honeybees, Acute Contact Toxicity Test |
| Species | Honeybees |
| Endpoint type | LD50 |
| Effective dose | > 204.7 ug/bee |

| | |
|----------------|--|
| Method | OECD Test No. 201: Freshwater Alga and Cyanobacteria, Growth Inhibition Test |
| Species | Pseudokirchneriella subcapitata |
| Endpoint type | EC50 |
| Effective dose | > 100 mg/L |
| Exposure time | 72 hours |
| Results | Does not inhibit the growth of alga |

| | |
|---------------|--|
| Method | OECD Test No. 216: Soil Microorganisms: Nitrogen Transformation Test |
| Species | Soil microorganisms |
| Exposure time | 28 d |
| Results | Non-toxic |

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|--|----------------------|-----------------------------------|----------------------------|-----------|
| D-Glucopyranose, oligomers, decyl octyl glycosides 68515-73-1 | - | LC50: =170mg/L (96h, Danio rerio) | - | - |

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

Other adverse effects No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. Transport information

TDG Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

Contact supplier for inventory compliance status

16. Other information

| | | | | |
|-------------|--------------------------|-----------------------|---------------------------|------------------------------|
| NFPA | Health hazards 1 | Flammability 0 | Instability 0 | Special hazards - |
| HMIS | Health hazards 1* | Flammability 0 | Physical hazards 0 | Personal protection X |

Chronic Hazard Star Legend * = Chronic Health Hazard

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend

SVHC: Substances of Very High Concern for Authorization:
 PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
 vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
 STOT: Specific Target Organ Toxicity
 ATE: Acute Toxicity Estimate
 LC50: 50% Lethal Concentration
 LD50: 50% Lethal Dose

Legend Section 8: Exposure controls/personal protection

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | Sk* | Skin designation |
| ** | Hazard Designation | + | Sensitizers |

Key literature references and sources for data used to compile the SDS

U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 Environmental Protection Agency
 Acute Exposure Guideline Level(s) (AEGl(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 U.S. National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

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Revision Note Change in the mixture classification. SDS sections updated. 1, 2, 4, 7, 8, 10, 11, 12, 14, 16.

Disclaimer

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transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet