

SECTION 1 Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : Credit 540 K

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Herbicide

1.4. Supplier's details

Nufarm Agriculture Inc.
5101, 333 - 96th Ave NE
Calgary, Alberta T3K 0S3
Canada
T 1-800-868-5444
www.nufarm.com

1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)
CCN 16105
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)
For health or environmental emergencies, Propharma Group, 1-877-325-1840
For product and use information, Nufarm Agriculture Inc, 1-800-868-5444

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Not classified

2.2. GHS label elements, including precautionary statements

GHS CA labeling

No labeling applicable

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

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according to SOR/2015-17, Hazardous Products Regulations (HPR) , as amended by SOR/2022-272

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Potassium salt of glyphosate	-	CAS-No.: 70901-12-1	30 – 60	Aquatic Acute 2, H401 Aquatic Chronic 2, H411

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	: 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.
First-aid measures after skin contact	: 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.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: If swallowed: Call a poison control centre or doctor immediately for treatment advice. Have a person dip 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.
First-aid measures general	: First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: May cause slight irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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

Other medical advice or treatment	: IF exposed or concerned: Get medical advice/attention.
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SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Dry chemical, CO2, or water spray or regular foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Nitrogen oxides. Phosphorus oxides.

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according to SOR/2015-17, Hazardous Products Regulations (HPR) , as amended by SOR/2022-272

5.3. Special protective actions for fire-fighters

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|--------------------------------|---|--|
| Firefighting instructions | : | Fight fire from safe distance and protected location. Do not attempt to take action without suitable protective equipment. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. |
| 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

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|---------------------------|---|--|
| General measures | : | Avoid all personal contact including breathing in the mist, spray, vapors. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. |
| Environmental precautions | : | Do not let the product reach soil, drains, sewers, or surface and ground water. |

6.2. Methods and materials for containment and cleaning up

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|-------------------------|---|--|
| For containment | : | Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak if safe to do so. |
| Methods for cleaning up | : | Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations. |

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

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|-------------------------------|---|---|
| Precautions for safe handling | : | Ensure good ventilation of the work station. Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing mist, spray, vapors. Take precautionary measures against static discharge. |
| Hygiene measures | : | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

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|------------------------|---|---|
| Storage conditions | : | Store in a cool, dry and well-ventilated area away from incompatible substances. Protect from sunlight. Do not store near food, foodstuffs, drugs, or potable water supplies. |
| Incompatible materials | : | Strong oxidizing agents. Metals. Bases. |

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

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8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Environmental exposure controls	: Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves. Chemically resistant protective gloves. Gloves are not required during application within a closed cab and/or cockpit.

Eye protection:

Chemical goggles or face shield

Skin and body protection:

Wear suitable protective clothing. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair.

Respiratory protection:

Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA compliant respiratory protection program.

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: Pale yellow
Odor	: Odorless
Odor threshold	: No data available
pH	: 4 – 8.5
Relative evaporation rate (butyl acetate=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	: > 106 °C / 222.8 °F

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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.36 – 1.39 @ 20 °C / 68 °F
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Particle characteristics	: No data available

Potassium salt of glyphosate

Particle characteristics	No data available
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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 of use.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Incompatible materials. Direct sunlight. Extremely high or low temperatures.
Incompatible materials	: Strong oxidizing agents. Metals. Bases.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Nitrogen oxides. Phosphorus oxides.
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)	: Not classified
Skin corrosion/irritation	: Not classified. pH: 4 – 8.5
Serious eye damage/irritation	: Not classified pH: 4 – 8.5
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
Symptoms/effects after inhalation	: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: May cause slight irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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SECTION 12 Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Toxic to aquatic life

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects

Potassium salt of glyphosate	
LC50 - Fish [1]	5.2 mg/l
LC50 - Fish [2]	4 mg/l
EC50 - Crustacea [1]	8 mg/l
ErC50 algae	1.4 mg/l
NOEC chronic algae	0.22 mg/l

12.2. Persistence and degradability

Credit 540 K	
Persistence and degradability	Not established.
Potassium salt of glyphosate	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Credit 540 K	
Bioaccumulative potential	Not established.
Potassium salt of glyphosate	
Partition coefficient n-octanol/water (Log Pow)	-3.2

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

Other information : Avoid release to the environment.

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 : Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions. Dispose in a safe manner in accordance with local/national regulations.

Additional information : Do not re-use empty containers.

Ecological waste information : Avoid release to the environment.

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SECTION 14 Transport information

In accordance with TDG / IMDG / IATA

TDG	IMDG	IATA
14.1. UN Number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group, if applicable		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

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

Not applicable

SECTION 15 Regulatory information

Potassium salt of glyphosate (70901-12-1)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

Potassium salt of glyphosate (70901-12-1)

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

SECTION 16 Other Information

Issue date : 09-10-2025
Revision date : 06-26-2026
Supersedes : 09-10-2025

Indication of changes

Section	Changed item	Comments
	Chronic aquatic toxicity - comment	Added

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Indication of changes		
Section	Changed item	Comments
	Acute aquatic toxicity - comment	Added
2	Signal word (GHS CA)	Removed
2	Hazard pictograms (GHS CA)	Removed
2	Precautionary statements (GHS CA)	Removed
2	Hazard statements (GHS CA)	Removed
2.1	Classification (GHS CA)	Modified
3	Composition/Information on ingredients	Modified
4.2	Symptoms/effects after eye contact	Modified
9	Relative density	Modified
9	pH	Modified
14	Transport information	Modified

Full text of hazard classes and H-statements:	
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

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.