

SAFETY DATA SHEET



Product Name: Ninja Herbicide

Issue Date: Nov 1, 2021

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

| | |
|---|------------------------------------|
| Product Name: | Ninja Herbicide |
| Chemical Type: | Herbicide |
| Restrictions on use: | See product label for restrictions |
| Pest Control Products (PCP) Act Registration No.: | 32995 |
| Supplier information: AgraCity Crop and Nutrition Ltd | Tel: 1-844-269 3276 |
| 320-22 nd Street East, Saskatoon, Saskatchewan Canada S7K0H1 | |
| Emergency Phone: For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300 / +1 703-527-3887 | |

2. HAZARDS IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015)

Health: Acute toxicity:

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Acute aquatic toxicity (Category 1) H400 Very toxic to aquatic life.

Chronic aquatic toxicity (Category 4) H413 May cause long lasting harmful effects to aquatic life.

GHS Label: No

Signal word: **WARNING**

PHYSICAL PROPERTIES:

APPEARANCE: white granules

ODOR: odourless

PRECAUTIONARY STATEMENTS

General:

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Avoid breathing fumes, mist, vapors, or spray.

Wash hands, face, and other affected areas thoroughly after handling.

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

Use only outdoors or in a well ventilated area.

Wear protective gloves / protective clothing / eye protection / face protection.

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Avoid release to the environment.

Response:

IF SWALLOWED: Immediately call a POISON CENTER/doctor/ physician. **Do NOT** induce vomiting.

IF EXPOSED OR CONCERNED: Get medical advice / attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **IF EYE IRRITATION PERSISTS:** Get medical advice/ attention.

IN CASE OF FIRE: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Store locked up. Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local regulation.

PHYSICAL OR CHEMICAL HAZARDS COMBUSTIBLE. Do not use or store near heat or open flame.

3. COMPOSITION INFORMATION

| Component Name | CAS-No. | Concentration % by Weight |
|-------------------|-------------|---------------------------|
| Imazamox | 114311-32-9 | 35 |
| Imazethapyr | 81335-77-5 | 35 |
| Other ingredients | N/A | Balance |

4. FIRST AID MEASURES

FIRST AID:

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 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.

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.

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

TOXICOLOGICAL INFORMATION: This product contains petroleum distillates. Treatment should be

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based on judgment of the physician in response to reactions of the patient. Vomiting may cause aspiration pneumonia.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: For small fire: dry chemical powder, water spray carbon dioxide. For large fire: foam, water fog, water spray.

SPECIAL EXPOSURE HAZARDS: Flashback may occur along vapor trail.

FIRE AND EXPLOSION HAZARDS: Dangerous gases are evolved in the event of a fire.

FIRE FIGHTING PROCEDURES: Fight fire from a safe distance and protected location. Fight fire upwind to avoid hazardous vapors and decomposing products. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Empty containers may contain residue product and can be dangerous. Use water spray/fog for cooling containers and firefighters. Notify proper authorities if liquid material enters the sewer or public waters.

FIRE FIGHTING EQUIPMENT: As with any fire, wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Avoid raising dust. Sweep/shovel up. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Advice on safe handling Handle and open container in a manner as to prevent spillage. Avoid

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contact with skin, eyes and clothing. Use only in area provided with appropriate exhaust ventilation.

Advice on protection against fire and explosion Keep away from heat and sources of ignition.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. 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 and out of the reach of children, preferably in a locked storage area. Keep away from direct sunlight. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

FOR COMMERCIAL APPLICATION AND ON-FARM APPLICATIONS, CONSULT THE PRODUCT LABEL.

EYE PROTECTION: Use safety glasses, goggles, or face shield.

HAND PROTECTION: Wear chemical-resistant gloves. Rinse gloves before removal.

SKIN PROTECTION: Wear clean clothing with full length sleeves and pants.

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.

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

ENGINEERING CONTROLS: Use adequate ventilation to minimize airborne concentrations of this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------|---------------------------------------|
| Appearance | White granules |
| Odor | odourless |
| Density | 529 - 609 kg/cm ³ at 20 °C |
| pH | 2.9 |

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10. STABILITY AND REACTIVITY

Stability: Stable under normal use and storage conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid contact with heat or open flame.

Materials to Avoid: None known.

Hazardous Decomposition Products: Can decompose at high temperatures forming toxic gases.

11. TOXICOLOGICAL INFORMATION

Exposure routes Eye contact, Skin contact, Inhalation

Eye Causes eye irritation

Skin Causes skin irritation

Information on toxicological effects

Acute toxicity

Rat LD50 oral: > 5000 mg/kg bw

Rat LC50 inhalation: (4h; whole body) > 6.3 mg/L (analytical)

Rat LD50 dermal: > 4000 mg/kg bw

Skin corrosion/irritation

Skin - rabbit - No skin irritation

Serious eye damage/eye irritation

Not irritant

Respiratory or skin sensitization

Not irritant

Germ cell mutagenicity

Genotoxicity in vitro - Ames test - Not mutagenic in Ames Test.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a

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known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Lowest relevant reproductive NOAEL / NOEL: 1639 mg/kg bw/d (20,000 ppm)

Lowest relevant developmental NOAEL /NOEL: 900 mg/kg bw/d (rabbit)

12. ECOLOGICAL INFORMATION

Acute toxicity to mammals: LD50 > 5 000 mg a.s./kg bw

Acute toxicity to birds: LD50 (bobwhite quail) > 1846 mg a.s./kg bw

Acute contact toxicity to bee: LD50 - 48 h > 58 microg a.s./bee

Toxicity to fish: LC50 - other fish - 122 mg/l - 96.0 h

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and municipal, provincial, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

CANADIAN TDG CLASSIFICATION:

Road & Rail Transport: This product is exempt from classification as a Dangerous

Vessel only: UN 3077, Environmentally hazardous substances, liquid, n.o.s, 9, PG III, Marine Pollutant

15. REGULATORY INFORMATION

CANADIAN REGULATIONS:

Hazardous Products Act Information: WHMIS 2015 Classification

This product is exempt under WHMIS2015.

Pest Control Products (PCP) Act Registration No.: 32995

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

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(PCPA). These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Read the approved PCPA label prior to using or handling this pest control product.

16. OTHER INFORMATION

NFPA Hazard Ratings

Health: 1
Flammability: 1
Instability: 0

HMIS Hazard Ratings

Health: 1
Flammability: 1
Reactivity: 0

| |
|------------|
| 0 Minimal |
| 1 Slight |
| 2 Moderate |
| 3 Serious |
| 4 Extreme |