

SAFETY DATA SHEET

Envy K-Six

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Envy K-Six

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

Identified uses Pesticide

1.3. Details of the supplier of the safety data sheet

Manufacturer Innvictis Crop Care, LLC
1880 Fall River Drive
Suite 100
Loveland, CO 80538
970-800-4300
info@innvictis.com

1.4. Emergency telephone number

Emergency telephone CHEMTREC: 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H332

Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H332 Harmful if inhaled.

Precautionary statements P261 Avoid breathing vapour/ spray.
P271 Use only outdoors or in a well-ventilated area.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTRE/doctor if you feel unwell.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Potassium Salt of Glyphosate 30-60%

CAS number: 70901-12-1 EC number: 813-293-2

Classification

Eye Irrit. 2 - H319

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information	Have the product container or label with you when calling a poison control center or doctor, or going in for treatment. For emergency medical assistance call NPCC 1-800-222-1222 or call CHEMTREC 1-800-424-9300.
Inhalation	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 center or doctor for further treatment advice.
Ingestion	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Have person sip glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Eye contact	Hold eyes 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 eyes. Call a poison control center or doctor for treatment advice.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Specific hazards	No specific explosion hazards are identified or expected. Always fight fire with the implication that other volatile substances may be present.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Oxides of carbon. Oxides of nitrogen. Oxides of phosphorus.

5.3. Advice for firefighters

Protective actions during firefighting	Evacuate area. Fight fire with normal precautions from a reasonable distance. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. Contain and collect extinguishing water.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.
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6.2. Environmental precautions

Environmental precautions	Do not contaminate any body of water. Avoid runoff onto any adjacent land.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Dike around the spill area to prevent spreading. Pick up spilled material with suitable absorbent material and place in appropriate container for disposal. Place it and unusable container in a landfill appropriate for non-hazardous chemical waste. Check local, state and federal regulations for proper disposal.
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6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wash hands after handling, before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in a cool, dry place. Keep containers tightly closed. Store in original container. Do not allow water or other chemicals to be introduced into contents of container. Do not contaminate water sources with equipment wash water, spray disposal wastes or by the cleaning of equipment. Do not store near feed or food products. Do not use or store near open flame or with oxidizing agents, bases, chlorates, or nitrates.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Eye/face protection

Wear chemical goggles or shielded safety glasses (ANSI Z87.1 or approved equivalent) when handling and mixing product. Contact lenses should not be worn when working with chemicals.

Other skin and body protection

Wear chemical resistant gloves such as Viton or barrier laminate, Coveralls over long-sleeved shirt, long pants and chemicals resistant footwear plus socks. Chemicals resistant headgear for overheard exposure. When exposed to product concentrate, wear a chemical resistant apron. Always refer to the label of the pesticide(s) in the tank mix and follow the most restrictive requirements.

Respiratory protection

Work in a well ventilated area. Avoid exposure to airborne contaminants. Wear a NIOSH/MSHA approved dust mask or filter when vapors or dust are generated above the permissible level.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light brown.
Odour	Odourless.
Odour threshold	Not available.
pH	4.3-4.8
Melting point	Not available.

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Initial boiling point and range	Not available.
Flash point	Does not flash.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Specific Gravity	1.3565 g/mL
Relative density	11.31 lbs/Gal
Solubility(ies)	Not available.
Partition coefficient	log Pow: -3.2 @ 25 C (glyphosate)
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
Oxidising properties	Not available.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None known.

10.4. Conditions to avoid

Conditions to avoid None known.

10.5. Incompatible materials

Materials to avoid Avoid strong acids and bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

ATE inhalation (dusts/mists mg/l) 1.5

Skin sensitisation

Summary This product is not considered to cause skin sensitization.

Carcinogenicity

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Carcinogenicity There is no evidence that the product can cause cancer. Does not contain any substances known to be carcinogenic. Carcinogenicity in humans is not expected. No evidence of carcinogenicity in animal studies.

Reproductive toxicity

Summary Developmental effects in rats and rabbits only in the presence of significant maternal toxicity. Reproductive effects in rats only in the presence of significant maternal toxicity.

Ingestion Rat, LD50 >5,000 mg/kg

Skin contact Rat, LD50 >5,000 mg/kg

SECTION 12: Ecological Information

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish Bluegill Sunfish: 5.2 mg/L, 96 hours, static, LC50

Acute toxicity - aquatic invertebrates Water Flea: 8.0 mg/L, 48 hours, static, EC50

Acute toxicity - aquatic plants Green Algae: 0.46 mg/L, 72 hours, static, EC50

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Partition coefficient log Pow: -3.2 @ 25 C (glyphosate)

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state and federal regulations.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

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14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

SECTION 16: Other information

SDS number	4757
SDS status	Approved.
Hazard statements in full	H319 Causes serious eye irritation. H332 Harmful if inhaled.