

SAFETY DATA SHEET

1. Identification of the Substance / Preparation and of the Company / Undertaking

Product Name: CropSaver - Canada **Synonyms:** Hay Treatment

Recommended UseAnimal feed, animal pharmaceutical, agriculture applications

Company Name:

HARVEST TEC, INC., PO Box 63, Hudson, WI 54016 (715) 386-9100

Emergency Telephone:

CHEMTREC (US): 1-800-424-9300

2. Hazards Identification

GHS - Classification

Acute dermal toxicity	Category 2
Skin corrosion/irritation	Category 1 Category 1B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Chronic aquatic toxicity	Category 3



Signal Word: Danger

Hazard Statements:

- Fatal in contact with skin
- Causes severe skin burns and eye damage
- May cause respiratory irritation. May cause drowsiness or dizziness
- · Harmful to aquatic life with long lasting effects

Physical Hazards

Corrosive to metals Category 1

· May be corrosive to metals

Precautionary Statements:

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- Do not get in eyes, on skin, or on clothing
- Do not eat, drink or smoke when using this product
- IF ON SKIN: Gently wash with plenty of soap and water
- · Remove/Take off immediately all contaminated clothing
- Do not breathe dust/fume/gas/mist/vapors/spray
- · Wash face, hands and any exposed skin thoroughly after handling
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- · Wash contaminated clothing before reuse
- Wear protective gloves/protective clothing/eye protection/face protection
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician
- Avoid breathing dust/fume/gas/mist/vapors/spray
- · Use only outdoors or in a well-ventilated area
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- Call a POISON CENTER or doctor if you feel unwell
- Store in a well-ventilated place. Keep container tightly closed
- · Store locked up
- Avoid release to the environment
- Dispose of contents/ container to an approved waste disposal plant
- · Immerse in cool water/wrap in wet bandages
- Absorb spillage to prevent material damage
- · Store in corrosive resistant aluminum container with a resistant inliner

3. Composition / Information on Ingredients

Hazardous

Chemical Name	CAS No	Weight-%	EC No
Propanoic acid, ammonium salt	17496-08-1	49	241-503-7
Propionic acid	79-09-4	29	201-176-3

4. First Aid Measures

General Advice: Immediate medical attention is required.

Eye Contact: Keep eye wide open while rinsing. Immediate medical attention is required. Rinse

immediately with plenty of water, also under the eyelids, for at least 15 minutes. Do not rub

affected area.

Skin Contact: Immediate medical attention is required. Wash off immediately with soap and plenty of

water while removing all contaminated clothes and shoes.

Inhalation: Move to fresh air. Call a physician or poison control center immediately. If not breathing,

give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink

plenty of water. Immediate medical attention is required. Remove from exposure, lie down. Clean mouth with water and drink afterwards plenty of water. Call a physician or poison

control center immediately.

Note to Physicians: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated.

Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat

symptomatically.

Self-protection of the First Aider: Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

5. Fire-fighting Measures

Flammable Properties:

No information available

Explosive Properties:

Not considered to be an explosion hazard

Suitable Extinguishing Media:

Water spray, Carbon Dioxide (CO₂), dry chemical, alcohol foam, Water may be used to flush spills away from exposures and to dilute spills to non-flammable mixtures

Unsuitable Extinguishing Media:

No information available

Specific Hazards Arising from the Chemical:

The product causes burns of eyes, skin and mucous membranes, Thermal decomposition can lead to release of irritating and toxic gases and vapors, In the event of fire and/or explosion do not breathe fumes

Protective Equipment and Precautions for Firefighters:

In the event of a fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode

6. Accidental Release Measures

Personal Precautions: Use personal protective equipment as required. Evacuate personnel to safe areas. Avoid

contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

Environmental Precautions: Do not allow into any sewer, on the ground or into any body of water. Should not be

released into the environment. Prevent further leakage or spillage if safe to do so. Prevent

product from entering drains.

Methods for Containment: Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or

tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Methods for Cleaning Up: Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take

up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces

with water.

Other Information: Not applicable.

7. Handling and Storage

Advice on Safe Handling: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Use only with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of

children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in

properly labeled containers.

Incompatible Materials: Strong acids and bases; Oxidizing agents

8. Exposure Controls / Personal Protection

Chemical Name	Chemical Name ACGIH TLV OSHA PEL			On	Ontario TWA		
Propionic acid	TWA: 10 ppn	n	(vacated) TWA: 10 ppm			'A: 10 ppm	
			(vacated) TWA: 30 mg/m ³		١٥		
Chemical Name European Un	ion China	Japa	oan Korea		Australia	Taiwan	

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Propionic acid	TWA 10 ppm	TWA: 30 mg/m ³	STEL: 15 ppm	10 ppm	TWA: 10 ppm
	TWA 31 mg/m ³	STEL: 60 mg/m ³	STEL: 45 mg/m ³	30 mg/m ³	TWA: 30 mg/m ³
	STEL 20 ppm		TWA: 10 ppm	_	
	STEL 62 mg/m ³		TWA: 30 mg/m ³		

Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d

962 (11th Cir., 1992)

Engineering Controls: Ensure adequate ventilation, especially in confined areas

Personal protective equipment (PPE)

Eye/Face Protection: Tight sealing safety goggles. Face protection shield.

Body Protection: Gloves made of plastic or rubber. Suitable protective clothing. Rubber boots. Wear

impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant clothing such as gloves,

apron, boots or whole bodysuits made from neoprene, as appropriate.

General Hygiene Considerations:

Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State: Liquid

Appearance: No information available Odor: Pungent

Color: **Odor Threshold:** No information available Green

Property Values Remarks • Method

pH: 6.0

"Salt Out" Point (°F): No information available

Melting Point/Freezing Point: Boiling Point/Boiling Range:

No information available

Flash Point: No information available Evaporation Rate (BuAc=1): No information available Flammability (solid, gas): No information available

Flammability Limits in Air: No information available **Lower Flammability**

Upper Flammability Limit:

Limit:

Vapor Pressure (mm Hg): No information available Vapor density (Air =1) No information available Specific Gravity (H₂O=1): No information available Specific Gravity (2nd value): No information available

Water Solubility: No information available Solubility(ies): No information available **Partition Coefficient** No information available

(n-octanol/water)

Autoignition Temperature:

Decomposition Temperature: No information available **Kinematic Viscosity:** No information available **Dynamic Viscosity:** No information available

Oxidizing Properties: No information available

Explosive Properties: Not considered to be an explosion hazard

9.2. Other information

Softening Point: No information available Molecular Weight: No information available VOC Content(%): No information available

Density: 1.06

Bulk Density: No information available

10. Stability and Reactivity

Stability: Stable under normal conditions of use and storage

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Conditions to Avoid: Exposure to air or moisture over prolonged periods

Incompatible Materials: Strong acids and bases, Oxidizing agents

Hazardous Decomposition

Products:

Thermal decomposition can lead to release of irritating and toxic gases and vapors

Possibility of Hazardous Reactions: None under normal processing

11. Toxicological Information

Product Information

Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

Chemical Name	Oral LD ₅₀ :	Dermal LD ₅₀ :	LC ₅₀ (Lethal Concentration):
Propanoic acid, ammonium salt	2000 mg/kg (Rat)	200 mg/kg (Rabbit)	5.4 mg/L (Rat) 4 h
Propionic acid	2600 mg/kg (Rat)		

Chronic Toxicity:

Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA,

IARC or NTP

Target Organ Effects: Eyes, Respiratory system, Skin

12. Ecological Information

Ecotoxicity

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Harmful to aquatic life with long lasting effects

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Propanoic acid, ammonium salt		562: 96 h Leuciscus idus mg/L LC50	
		static	
Propionic acid	45.8: 72 h Desmodesmus	1: 96 h Pimephales promelas mg/L	
	subspicatus mg/L EC50 43: 96 h	LC50 static 73 - 99.7: 96 h Lepomis	
	Desmodesmus subspicatus mg/L	macrochirus mg/L LC50 static 51:	
	EC50	96 h Oncorhynchus mykiss mg/L	
		LC50 static	

Persistence and Degradability:

No information available.

Bioaccumulation:No information available.

Mobility: No information available.

Chemical Name	Partition Coefficient:
Propionic acid	0.33

13. Disposal Considerations

Waste from Residues/Unused

Products:

Disposal should be in accordance with applicable regional, national and local laws and

regulations

Contaminated Packaging: Do not reuse container.

14. Transport Information

DOT

Description Not DOT Regulated

15. Regulatory Information

International Inventories

All of the components in the product are on the following Inventory lists: Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP),

This product contains a substance not listed on international inventories - it is for research and development use only.

AICS Complies
TSCA Complies
DSL/NDSL Complies
EINECS/ELINCS Complies

ENCS -

IECSCCompliesKECLCompliesPICCSComplies

Chemical Name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Propanoic acid, ammonium	Listed	Listed	NDSL	Present	Listed	-	-	Listed	KE-29353	Present
salt			Listed							
Propionic acid	Listed	Listed	Listed	-	Listed	-	(2)-602	Listed	KE-29352	Present

Inventory Legend

AICS - Australian Inventory of Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

RESTRICTIONS - REACH TITLE VII No information available

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Chemical Name	CERCLA Hazardous Substances and the Reportable Quantities	SARA Extremely Hazardous Substances EPCRA RQ	SARA Extremely Hazardous Substances TPQ
Propionic acid	5000 lb 2270 kg	-	-
	2270 kg		

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Propanoic acid, ammonium salt	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

U.S. State Right-to-Know Regulations

California Proposition 65:

This product does not contain any Proposition 65 chemicals

16. Other Information

National Fire Protection Association (NFPA) Ratings



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Revision Note: Reviewed and Re-issued.

Disclaimer:

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