

**Issuing Date** 26-Aug-2021

**Revision Date** 08-May-2024

**Revision Number** 2

## 1. Identification

### Product identifier

**Product Name** GCS Imazamide SC Herbicide

### Other means of identification

**EPA Reg. No.** 94730-11

**Synonyms** Pronamide + Imazethapyr

### 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

#### Supplier Address

Generic Crop Science, LLC.  
1887 Whitney Mesa Drive #9740  
Henderson, NV 89014-2069  
1-844-200-FARM (3276)

#### E-mail

regulatory@farmersbusinessnetwork.com

#### Emergency telephone number

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

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Carcinogenicity	Category 2
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### Hazards not otherwise classified (HNOC)

Not applicable.

### Label elements

#### **Warning**

#### **Hazard statements**

Suspected of causing 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/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/container to an approved waste disposal plant

**Other information**

May be harmful if swallowed. May be harmful in contact with skin. May be harmful if inhaled. Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

### 3. Composition/information on ingredients

**Substance**

Not applicable.

**Mixture**

**Synonyms** Pronamide + Imazethapyr

Chemical name	CAS No	Weight-%	Trade secret
Pronamide	23950-58-5	32.33 - 34.33	*
Proprietary Surfactant Blend	-	24.25 - 25.75	*
Imazethapyr	81335-77-5	1.648 - 1.822	*
Hexylene glycol	107-41-5	1 - 3	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

**Description of first aid measures**

**General advice** IF exposed or concerned: Get medical advice/attention.

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.

<b>Skin contact</b>	Wash skin with soap and water. Get medical attention if symptoms occur.
<b>Ingestion</b>	Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	None known.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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**5. Fire-fighting measures**

<b>Suitable Extinguishing Media</b>	Dry chemical. Carbon dioxide (CO2). Foam.
<b>Unsuitable extinguishing media</b>	None known based on information supplied.
<b>Specific hazards arising from the chemical</b>	None known based on information supplied.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	None.
<b>Special protective equipment and precautions for fire-fighters</b>	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**

<b>Personal precautions</b>	Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Special danger of slipping by leaking/spilling product.
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**Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

**7. Handling and storage****Precautions for safe handling**

<b>Advice on safe handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
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**8. Exposure controls/personal protection****Control parameters**

<b>Exposure Limits</b>	The following ingredients are the only ingredients of the product above the cut-off level (or
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level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Hexylene glycol 107-41-5	STEL: 50 ppm vapor fraction STEL: 10 mg/m <sup>3</sup> inhalable particulate matter, aerosol only TWA: 25 ppm vapor fraction	(vacated) Ceiling: 25 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	Ceiling: 25 ppm Ceiling: 125 mg/m <sup>3</sup>

#### Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological 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**                      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**  
     **Physical state**                              Liquid  
     **Color**    Off-white  
**Odor**    Mild  
**Odor threshold**                                  No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	3.6	
Melting point / freezing point		No data available
Initial boiling point and boiling range		No data available
Flash point	> 93 °C / > 199.4 °F	
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
Vapor density		No data available
Relative density	1.1	

Water solubility	No data available
Solubility(ies)	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	258.03 cP @ 20°C

171.33 cP @ 40°C

**Other information**

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	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

**11. Toxicological information****Information on likely routes of exposure****Product Information**

Inhalation	May be harmful if inhaled.
Eye contact	On basis of test data: non-irritant.
Skin contact	May be harmful in contact with skin.
Ingestion	May be harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms	None known.
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**Acute toxicity****Numerical measures of toxicity**

Oral LD50	5000 mg/kg (rat)
Dermal LD50	> 2000 mg/kg (rat)

**Inhalation LC50** > 5.05 mg/l (rat, 4 hr), Dust/Mist

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Pronamide 23950-58-5	= 3350 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	-
Proprietary Surfactant Blend -	> 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
Imazethapyr 81335-77-5	> 5 g/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Hexylene glycol 107-41-5	= 3700 mg/kg ( Rat )	= 12300 mg/kg ( Rabbit )	-

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

**Skin corrosion/irritation** No classification is proposed, based on conclusive negative data.

Product Information	
Method	OECD 404
Species	Rabbit
Exposure route	Dermal
Effective dose	0.5 mL
Exposure time	4 hour
Results	non-irritant

**Serious eye damage/eye irritation** No classification is proposed, based on conclusive negative data.

Product Information	
Method	OECD Test No. 405: Acute Eye Irritation/Corrosion
Species	Rabbit
Exposure route	Eye
Effective dose	0.1 mL
Exposure time	24 hours
Results	non-irritant

**Respiratory or skin sensitization** Not a sensitizer. Did not cause allergic skin reactions when tested in guinea pigs.

Product Information	
Method	OECD Test No. 406: Skin Sensitization
Species	Guinea pig
Exposure route	Dermal
Results	Not a skin sensitizer

**Germ cell mutagenicity** No information available.

**Carcinogenicity** Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target organ effects** Respiratory system. Eyes. Skin. Central nervous system.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hexylene glycol 107-41-5	-	LC50: 10500 - 11000mg/L (96h, Pimephales promelas) LC50: =10000mg/L (96h, Lepomis macrochirus) LC50: =10700mg/L (96h, Pimephales promelas) LC50: =8690mg/L (96h, Pimephales promelas)	-	EC50: 2700 - 3700mg/L (48h, Daphnia magna)

**Persistence and degradability** No information available.

**Bioaccumulation**

### Component Information

Chemical name	Partition coefficient
Hexylene glycol 107-41-5	0.14

**Other adverse effects** No information available.

## 13. Disposal considerations

### Waste treatment 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

**DOT** Not regulated  
Hazardous Substance/RQ for Pronamide = 5,000 lbs

**IATA** Not regulated in quantities not to exceed 5 liters per individual container.

**ID number** UN3082  
**Proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Pronamide, Imazethapyr)  
**Hazard Class(es)** 9  
**Packing group** III  
**Hazard Label** Class 9, Environmentally Hazardous

**IMDG**

Not regulated in quantities not to exceed 5 liters per individual container.

<b>ID number</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s. (Pronamide, Imazethapyr)
<b>Hazard Class(es)</b>	9
<b>Packing group</b>	III
<b>Hazard Label</b>	Class 9, Environmentally Hazardous
<b>Marine Pollutant/</b>	
<b>Environmentally</b>	YES
<b>Hazardous Substance</b>	

**15. Regulatory information****International Inventories**

Contact supplier for inventory compliance status

**US Federal Regulations****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 %
Pronamide - 23950-58-5	1.0

**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	Reportable Quantity (RQ)
Pronamide 23950-58-5	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical name	California Proposition 65
Pronamide - 23950-58-5	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Pronamide 23950-58-5	X	X	X
Hexylene glycol	X	X	X



107-41-5			
Glycerin 56-81-5	X	X	X
Sodium nitrate 7631-99-4	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number 94730-11

**16. Other information**

**NFPA** Health hazards 1 Flammability 2 Instability 0 Special hazards -  
**HMIS** Health hazards 1\* Flammability 2 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 Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)  
 Ceiling Maximum limit value \* Skin designation

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

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (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)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 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 to Email, Emergency Telephone Number and Section 14.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, 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**