Dairyman's Defence Premier

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Issue date: 27-Nov-2025 Version: 1.1

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture

Trade name : Dairyman's Defence Premier

Product code : ASC# 6115

Product group : Trade product

1.2. Recommended use and restrictions on use

Recommended use : Refer to label

Restrictions on use : This is a drug product that is safe for the intended use. Pharmaceutical products, specifically defined by regulations in Canada, are exempted from the requirement of an SDS. This SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposure such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the label.

1.3. Supplier

Agrisan

519-848-2453, 451 Smith Street

P.O. Box 69

N0G1A0 Arthur, ON - Canada

1.4. Emergency telephone number

Emergency number : 1-877-731-7194 (Monday-Friday 8:00am-4:30pm ET)

In a medical emergency, call local POISON CENTRE

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Specific target organ toxicity — Repeated exposure, Category 1	H372 Causes damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment — Acute Hazard, Category 2	H401 Toxic to aquatic life

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA) :

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H372 - Causes damage to organs through prolonged or repeated exposure.
H401 - Toxic to aquatic life

Precautionary statements (GHS CA) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P314 - Get medical advice/attention if you feel unwell.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Iodine	Iodine	(CAS-No.) 7553-56-2	0.5-1.5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 STOT RE 1, H372 Aquatic Acute 1, H400

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

First-aid measures general : Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

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

No additional information available

6.2. Methods and materials for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.3. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Iodine (7553-56-2)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA (ppm)	0.01 ppm

Iodine (7553-56-2)	
OEL STEL (ppm)	0.1 ppm
Notations and remarks	Hypothyroidism; URT irr
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA (ppm)	0.01 ppm
OEL STEL (ppm)	0.1 ppm
Notations and remarks	Hypothyroidism; URT irr
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA (ppm)	0.01 ppm
OEL STEL (ppm)	0.1 ppm
Notations and remarks	Hypothyroidism; URT irr
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA (ppm)	0.01 ppm
OEL STEL (ppm)	0.1 ppm
Notations and remarks	Hypothyroidism; URT irr
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA (ppm)	0.01 ppm
OEL STEL (ppm)	0.1 ppm
Notations and remarks	Hypothyroidism; URT irr
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA (ppm)	0.01 ppm
OEL STEL (ppm)	0.1 ppm
Notations and remarks	Hypothyroidism; URT irr
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA (ppm)	0.01 ppm
OEL STEL (ppm)	0.1 ppm
Notations and remarks	Hypothyroidism; URT irr
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA (ppm)	0.01 ppm
OEL STEL (ppm)	0.1 ppm
Notations and remarks	Hypothyroidism; URT irr
Canada (Ontario) - Occupational Exposure Limits	
OEL TWA (ppm)	0.01 ppm
OEL STEL (ppm)	0.1 ppm
Notations and remarks	(IFV) (V)
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA (ppm)	0.01 ppm
OEL STEL (ppm)	0.1 ppm
Notations and remarks	Hypothyroidism; URT irr
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA (ppm)	0.1 ppm
OEL STEL (ppm)	0.1 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	0.01 ppm (Inhalable fraction and vapor)

Iodine (7553-56-2)	
ACGIH STEL (ppm)	0.1 ppm (Vapor fraction)

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Reddish-brown liquid.
Colour	:	Reddish-brown
Odour	:	No data available
Odour threshold	:	No data available
pH	:	3.5-5.0
Relative evaporation rate (butylacetate=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	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	No data available
Vapour pressure at 50 °C	:	No data available
Relative density	:	1.03
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, dynamic	:	≈ 15 cP
Explosive limits	:	No data available

9.2. Other information

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.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7).

Incompatible materials	:	No additional information available
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hardening time:	:	No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Iodine (7553-56-2)	
LD50 oral rat	315 mg/kg
LD50 dermal rabbit	1425 – 2000 mg/kg bodyweight (EPA OPPTS 870.1200: Acute Dermal Toxicity, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))
LC50 inhalation rat (mg/l)	> 4.588 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))
ATE CA (oral)	315 mg/kg bodyweight
ATE CA (Dermal)	1425 mg/kg bodyweight
ATE CA (Gases)	4500 ppmv/4h
ATE CA (vapours)	11 mg/l/4h
ATE CA (dust,mist)	1.5 mg/l/4h

Skin corrosion/irritation	:	Not classified pH: 3.5-5.0
Serious eye damage/irritation	:	Not classified pH: 3.5-5.0
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	:	Causes damage to organs through prolonged or repeated exposure.

Iodine (7553-56-2)	
NOAEL (oral, rat, 90 days)	0.375 mg/kg bodyweight/day Results in thyroid hormone imbalance
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard	:	Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	Harmful to aquatic life.
Hazardous to the aquatic environment, short-term (acute)	:	Toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	:	Not classified

Iodine (7553-56-2)	
LC50 fish 1	1.67 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Lethal)
EC50 72h algae (1)	0.13 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Growth rate)
Partition coefficient n-octanol/water (Log Pow)	2.49 (QSAR, 20 °C)
Partition coefficient n-octanol/water (Log Koc)	0.21 (log Koc, Calculated value)

12.2. Persistence and degradability

Iodine (7553-56-2)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

12.3. Bioaccumulative potential

Iodine (7553-56-2)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	2.49 (QSAR, 20 °C)
Partition coefficient n-octanol/water (Log Koc)	0.21 (log Koc, Calculated value)

12.4. Mobility in soil

Iodine (7553-56-2)	
Ecology - soil	Highly mobile in soil.
Partition coefficient n-octanol/water (Log Koc)	0.21 (log Koc, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	2.49 (QSAR, 20 °C)

12.5. Other adverse effects

Ozone : Not classified

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. Basic shipping description

In accordance with TDG

Transportation of Dangerous Goods

Not considered a dangerous good for transport regulations

14.2. Transport information/DOT

No additional information available

14.3. Air and sea transport

IMDG

Not considered a dangerous good for transport regulations

IATA

Not considered a dangerous good for transport regulations

SECTION 15: Regulatory information

15.1. National regulations

Iodine (7553-56-2)
Listed on the Canadian DSL (Domestic Substances List)

15.2. International regulations

Iodine (7553-56-2)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

Issue date : 27-Nov-2025

Other information : Prepared by Agrisan Inc.

Full text of H-statements:

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life

SDS Canada (GHS)

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.