

SECTION 1 : CHEMICAL PRODUCT AND COMPANY INFORMATION**SYNONYMS:**

PROPER SHIPPING NAME: Iodine
CAS NUMBER: 68439-47-4
UN NUMBER: Not Regulated
PRODUCT USE: Aid in the control of Mastitis producing organism on the teat

SUPPLIER: Agmax Industries Limited, 63b Allens Road, East Tamaki, 2013,
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SECTION 2 : HAZARDS IDENTIFICATION**STATEMENT OF HAZARDOUS NATURE**

Classified as a Licensed Animal Remedy EPA NZ Approval Code: HSR002310
Based on Iodine 20%

PICTOGRAMS**CLASSIFICATION AND HAZARD STATEMENTS**

6.3A, 6.4A, 6.5B, 6.9B, 9.1C

6.3A Harmful - may cause skin irritation

H315 Causes skin irritation

6.4A Harmful - may cause eye irritation

H320 Causes eye irritation

6.5B Harmful - may cause skin sensitization from prolonged skin contact

H317 May cause an allergic skin reaction

6.9B Harmful - presumed to cause organ damage from repeated oral exposure at
high doses

H373 May cause damage to organs through prolonged or repeated exposure

9.1C Harmful to aquatic life with long-lasting effects. Avoid contamination of any
water supply with product or container

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AGMAX Iodine Teatspray

H412 Harmful to aquatic life with long lasting effects

Prevention statements:

- P103 Read label before use
- P260 Do not breathe fumes / mist / vapors or spray
- P261 Avoid breathing fumes / mist / vapors or spray
- P264 Wash hands thoroughly after using
- P270 Do not eat, drink or smoke when using this product
- P272 Contaminated clothing should not be allowed out of the workplace
- P273 Avoid release into the environment.
- P280 Wear protective gloves and clothing

Response statements:

- P302+P352 IF ON SKIN: Wash with plenty of soap and water
- P321 Specific treatment (refer First Aid section of the label)
- P332+P313 If skin irritation occurs get medical advice / attention
- P362 Take off contaminated clothing and wash before re-use
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
- P337+P313 If eye irritation persists get medical attention
- P363 Wash contaminated clothing before re-use
- P309+P311 If exposed or if you feel unwell: Call a POISON CENTER or doctor / physician
- P314 Get medical advice / attention if you feel unwell

Storage Statements:

- P405 Store locked up

Disposal Statements:

- P501 Dispose of empty containers safely in accordance with local regulations.

SECTION 3 : COMPOSITION

Appearance: Dark Brown / Black viscous liquid

Contains: 20 grams per litre of available Iodine in the form of an ethoxylated alcohol Iodine complex

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Ingredient	CAS Number	Proportion
Ethoxylated iodine complex	68439-47-4	<15%
Citric acid	77-92-9	<1%
Nonhazardous ingredients including water and humectants		Balance

SECTION 4 : FIRST AID MEASURES

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

Refer First Aid instructions on label

SWALLOWED

If Swallowed: Give water to dilute Do NOT induce vomiting. Seek immediate medical assistance. If breathing stops start mouth to nose resuscitation. Arrange urgent transport to hospital.

Immediately call a POISON CENTER or doctor/physician

Never give anything by mouth to an unconscious person.

EYE

If in eyes: Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information centre or a doctor, or for at least 15 minutes. Seek immediate medical attention. Immediately call a Poison Centre or doctor/physician.

SKIN

Skin Contact: Remove contaminated clothing including footwear. Wipe off excess material from skin and then flush skin thoroughly with plenty of water for at least 15 minutes. Do not use organic solvents or thinners. Seek medical attention if redness, blistering or irritation occurs or persists. Wash contaminated clothing and shoes before reuse.

INHALED

If Inhaled: Remove victim to fresh air. Keep warm. Allow person to assume most comfortable position. Keep at rest until fully recovered. If breathing has stopped, apply artificial respiration. Seek medical attention immediately if the person is coughing or other symptoms develop or persist. Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device. Administer oxygen if breathing is difficult.

NOTES TO PHYSICIAN

Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved and take precautions to protect themselves. Treat symptomatically and supportively.

SECTION 5 : FIRE FIGHTING MEASURES

GENERAL MEASURES

If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out. Avoid getting water inside containers.

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FLAMMABILITY CONDITIONS

Non-combustible. Material does not burn. Decomposes on heating, emitting toxic fumes.

SPECIFIC HAZARDS

Strong heating under fire conditions may result in release of toxic gases of iodine and hydrogen iodide. Contact with oxidizable substances and incompatibles may cause extremely violent decomposition.

Fire fighters should wear full protective clothing and self-contained breathing apparatus.

EXTINGUISHING MEDIA

Water Spray, Fog or foam

FIRE AND EXPLOSION HAZARDS

Fire fighters to wear self-contained breathing apparatus if risk or exposure to products of decomposition. Container may burst releasing hot fluids if exposed to heat.

HAZARDOUS PRODUCTS OF COMBUSTION

Fire or heat will produce irritating, toxic, and/or corrosive gases. Could include:

Carbon Dioxide, Carbon monoxide, Halogenated Compounds

SPECIAL FIRE FIGHTING INSTRUCTIONS

Runoff from fire control or dilution water may be toxic and/or corrosive and pollute waterways.

PERSONAL PROTECTIVE EQUIPMENT

Wear self-contained breathing apparatus (SCBA) with a full face-piece, in positive pressure mode. Fully encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is recommended for fire situations ONLY - it is NOT effective for spills.

FLASH POINT

No Data Available

LOWER EXPLOSION LIMIT

No Data Available

UPPER EXPLOSION LIMIT

NO Data Available

AUTO IGNITION TEMPERATURE

No Data Available

HAZCHEM CODE

SECTION 6 : ACCIDENTAL RELEASE MEASURES**General Response Procedure**

Ventilate enclosed spaces before entering. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin and eyes

Clean Up Procedures

Isolate hazard area. Wear protective clothing, safety goggles and gloves when cleaning up spills. Do not flush spills directly to sewer. Transfer material to suitable containers for recovery. Cover spill area with an excess of reducing agent (e.g. sodium thiosulfate solution) then neutralize with soda ash. Collect slurry into approved containers.

Containment

Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Dike and clean up all spills immediately.

Decontamination

Small spills or residues can be flushed with plenty of water.

Environmental Precautionary Measures

Drains for storage or work areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material.

Evacuation Criteria

Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground.

Personal Precautionary Measures

Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for spills.

SECTION 7 : HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING**

Handle and open containers with care. Use only in well ventilated areas. Close containers tightly immediately after use.

Avoid spilling, skin and eye contact. Wear protective clothing, including elbow length PVC gloves and suitable eye protection.

Use with adequate ventilation - avoid creation and inhalation of aerosols.

After use wash hands before eating, drinking or smoking.

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Do not handle broken packages unless wearing appropriate personal protective equipment.

STORAGE CONDITIONS

Store in a cool, dry, well ventilated area away from sources of heat or ignition. Keep out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials. Keep containers closed when not in use - check regularly for leaks

SHELF LIFE

Use within 12 Months

SECTION 8 : EXPOSURE CONTROLS & PERSONAL PROTECTION

EXPOSURE LIMITS

Observe the New Zealand Workplace Exposure Standard:
Iodine:(Ceiling) TWA 0.1 ppm, 1.0 mg/m³

ENGINEERING CONTROLS

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. If inhalation risk exists: Use with local exhaust ventilation or while wearing air supplied mask. Keep containers closed when not in use.

EYE/FACE PROTECTION

Use safety glasses (with side shields).

SKIN PROTECTION

Chemical protective gloves should be worn when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

OTHER PROTECTION

Wear overalls, use elbow length PVC gloves and suitable eye protection.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Dark Brown - Black viscous liquid with pungent odour

PHYSICAL PROPERTIES

Miscible in water.

Specific Gravity: 1.11 @ 20°C

pH value: 3.2 - 3.6

SECTION 10 : STABILITY AND REACTIVITY

REACTIVITY

No data available

CHEMICAL STABILITY

Stable in sealed containers if stored correctly

Avoid heat, light and poor ventilation

Incompatible with ammonia, powdered metals, alkali metals, strong reducing agents, ammonium hydroxide and strong bases

SECTION 11 : TOXICOLOGICAL INFORMATION

Iodine
Oral LD50 (rat) 14000 mg/kg
Oral (human) 28 mg/kg - Lowest lethal dose
Inhalation (rat) 137 ppm/h - Lowest level concentration

SECTION 12 : ECOLOGICAL INFORMATION**ECOTOXICITY**

Avoid contaminating waterways

Aquatic Toxicity: (fish) LC50 1.7 mg/1/96 h (Rainbow Trout)

Daphnia Toxicity: EC50 0.2 mg/1/48 h (Daphnia magna)

This substance is toxic to aquatic organisms and is hazardous to the environment.

SECTION 13 : DISPOSAL CONSIDERATIONS**CONTAINER DISPOSAL**

Wherever possible, the material should be reclaimed or re-used. Otherwise, waste material can be disposed either by incineration or by disposal to a licensed waste disposal.

Dispose of empty containers safely in accordance with local regulations.

Triple rinse containers when empty, add rinsing to use solutions.

Avoid contamination of natural water supplies with chemical or empty container.

After cleaning, all existing labels should be removed.

PRODUCT DISPOSAL

Landfill. Containers maybe disposed of in the same manner.

SECTION 14 : TRANSPORT INFORMATION

Not Classified as Dangerous Goods for transport Purposes

SECTION 15 : REGULATORY INFORMATION**REGULATIONS**

ERMA approval Code: HSR002521 Animal Nutritional and Animal Care Products Group Standard 2006

ACVM Approval: A006882

HSNO Classification: Trigger quantities for this substance by itself in a place

6.3 - SKIN IRRITATION - Category A

6.4 - EYE IRRITATION - Category A (Irritant)

6.5 - SENSITIZATION - Category B (Skin)

6.9 - SPECIFIC TARGET ORGAN TOXICITY (SINGLE OR REPEATED EXPOSURE): ORAL -
Category B

9.1 - AQUATIC ECOTOXICITY - Category A

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New Zealand Inventory of Chemicals (NZIoC) :

All components are listed or exempted.

Safety, health and environmental regulations specific for the product.

Hazardous Substance Location trigger quantity : *Not required*

Approved Handler trigger quantity : *Not required*

Secondary containment trigger quantity : 1,000 L

Signage trigger quantity : 100 L

Emergency Response Plan trigger quantity: 1,000 L

The trigger quantities above must take into account any other hazardous substance that is present at that location.

Location Test certificate: *Not required*

Emergency Plan: *Not required*

Tracking: *Not required*

Warning Signs: *Not required*

Record of application or discharge: *Not required*

SECTION 16 : OTHER INFORMATION

New Zealand Poisons Information Center 0800 POISON (0800 764 766)

Disclaimer:

The data given relates to this product alone, and not to its use in conjunction with other substances or products. In such circumstances, assuming the combination is permitted, refer to product labels, be guided by the most hazardous of the substances involved and observe the more stringent hazard controls applicable.

The information contained in this Safety Data Sheet was obtained from current and reliable sources. The data is supplied without warranty, expressed or implied regarding its correctness and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product.

Amendments: Updated formatting and reviewed data.

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