



SAFETY DATA SHEET

According to Safe Work Australia

Printing date 25.08.2014

Revision: 25.08.2014

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: REDENE GOLD**Other Name:** Dilute, aqueous iodophor solution in surfactants**Recommended Use of the Chemical and Restriction on Use:** Post milking teat sanitiser with emollient**Details of Manufacturer or Importer:**

DASCO Pty Ltd

24 - 26 Helen Street

Heidelberg Heights VIC 3081

Phone Number: (03) 9459 7004**Emergency telephone number:** 13 11 26 (Poisons Information Centre)

2 . HAZARDS IDENTIFICATION

Hazardous Nature: The product is not classified as hazardous according to the Globally Harmonized System (GHS).**Label Elements****Signal Word** Void**Hazard Statements** Void

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

7553-56-2	Iodine	<10%
	⚠ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332	

Additional information: Surfactant - CAS number not available - 10-30%

4 . FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Information for Doctor**Symptoms Caused by Exposure:**

Skin contact: May be irritating to the skin, causing redness, itching and possible pain.

Ingestion: May cause gastric upset, nausea, violent vomiting, abdominal discomfort and pain, excessive salivation, a metallic taste, skin rash, swelling of the eyelids, swelling of the salivary glands and enlarged lymph glands.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

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Specific Hazards Arising from the Chemical:

No fire or explosion hazard exists. Hazardous combustion products include oxides of carbon, hydrogen iodide and iodine.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in original container in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from physical damage and direct sunlight. Keep away from oxidising agents.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:**7553-56-2 Iodine**

NES	TWA: 1 mg/m ³ , 0.1 ppm Peak limitation: 1 mg/m ³ , 0.1 ppm
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Engineering Controls:

Ensure adequate ventilation of the workplace. If handling industrial quantities, or if vapour/aerosol risk exists, provide exhaust ventilation or other engineering controls to keep the airborne concentrations as low as possible.

Personal Protective Equipment (PPE):**Respiratory Protection:**

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

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Rubber or plastic gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Impervious overalls, plastic apron, sleeves and boots should be worn when handling industrial quantities. See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Liquid
Colour:	Brown
Odour:	Slight iodine odour
Odour Threshold:	No information available
pH-Value:	Slightly acidic
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	> 100 °C
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	Not determined.
Density:	No information available
Relative Density at 20 °C:	1.05 g/mL
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible in all proportions
Partition Coefficient (n-octanol/water):	No information available
% Volatiles by Volume:	About 60 % (water)
VOC:	<1 %

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:

Contact with concentrated mineral acids may generate iodine vapour. May react with strong oxidising agents.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat and light.

Incompatible Materials: Oxidising agents, mineral acids and wood and paper products.

Hazardous Decomposition Products: Hydrogen iodide and iodine.

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11 . TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****7553-56-2 Iodine**

Oral	LD ₅₀	14000 mg/kg (rat)
	LDLo	28 mg/kg (human)
	TDLo	26 mg/kg/1 year (human) (evidence of thyroid hyperfunction)

Acute Health Effects**Inhalation:**

Iodine vapours will be irritating to the nose, throat and upper respiratory system. Aspiration of froth into the lungs during swallowing or vomiting may cause chemical pneumonitis (inflammation of lung tissues), pulmonary oedema (fluid build up in the lungs) and possible lung damage. Onset of symptoms may be delayed.

Skin:

May be irritating to the skin, causing redness, itching and possible pain. Will have a degreasing effect on the skin which may lead to further irritation.

Eye: May cause severe irritation to the eyes. Risk of serious eye damage from splashes in the eye.

Ingestion:

May cause gastric upset, nausea, violent vomiting, abdominal discomfort and pain, excessive salivation, a metallic taste, skin rash, swelling of the eyelids, swelling of the salivary glands and enlarged lymph glands.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Repeated or prolonged exposure to iodine may lead to thyroid hyperactivity, damage to the kidneys, and may affect the cardiovascular system.

Repeated skin contact with the surfactants may lead to irritation and possible contact irritant dermatitis.

Existing Conditions Aggravated by Exposure:

Persons with kidney, lung or thyroid disease or dysfunction should consult a physician before working with or using this product.

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12 . ECOLOGICAL INFORMATION

Ecotoxicity:**Aquatic toxicity:**

Harmful to aquatic organisms. Contains surfactants, local concentrations will be hazardous to aquatic organisms, including fish.

Persistence and Degradability:

The surfactants used in this product are not considered to be readily biodegradable.

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

7553-56-2	Iodine
7732-18-5	Water

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

16 . OTHER INFORMATION

Creation Date: 25.08.2014

Last Revision of MSDS: 01.09.2009

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds

LC₅₀: Lethal concentration, 50 percent

LD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

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Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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