

Safety Data Sheet

according to WHS Regulations

Printing date 07.02.2020

Revision: 07.02.2020

1 Identification

Product Name: REDENE GOLD

Other Means of Identification: Mixture

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: National Poison Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)



corrosion

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Aquatic Acute 2 H401 Toxic to aquatic life.

Signal Word Danger

Hazard Statements

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

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Hazardous Components:		
CAS: 56-81-5	Glycerol	10 - 30%
CAS: 84133-50-6	Alcohols, C12-C14-secondary, ethoxylated ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Inhalation) 4, H332; Skin Corrosion/Irritation 2, H315; Aquatic Acute 2, H401	<20%
CAS: 7553-56-2	Iodine ⚠ Aquatic Acute 1, H400; ⚠ Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332	<5%

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. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

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 Contact: May cause skin irritation, redness and itching. Will have a degreasing effect on the skin which may lead to further irritation.

Eye Contact: Causes serious eye damage and irritation.

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.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon, hydrogen iodide and iodine.
Product is not flammable.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear 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.

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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, heat and light. Keep away from oxidising agents, mineral acids and wood and paper products.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 56-81-5 Glycerol**WES | TWA: 10 mg/m³**CAS: 7553-56-2 Iodine**WES | Peak limitation: 1 mg/m³, 0.1 ppm**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.

Respiratory Protection:

Use an 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:

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

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Melting point/freezing point:	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.

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****CAS: 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)

CAS: 56-81-5 Glycerol

Oral	LD ₅₀	12600 mg/kg (rat)
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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 cause skin irritation, redness and itching. Will have a degreasing effect on the skin which may lead to further irritation.

Eye: Causes serious eye damage and irritation.

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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:

May cause damage to organs through prolonged or repeated exposure.

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.

Additional toxicological information: No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Toxic to aquatic life with long lasting effects. This product contains ingredients that will be hazardous to aquatic life, including fish.

Persistence and Degradability: This product is considered to be biodegradable.

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.

Other adverse effects: No further relevant 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

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Packing Group: Not regulated

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 56-81-5	Glycerol
CAS: 84133-50-6	Alcohols, C12-C14-secondary, ethoxylated
CAS: 7553-56-2	Iodine
CAS: 7732-18-5	Water

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

Poisons Schedule: 6

16 Other Information

Date of Preparation or Last Revision: 07.02.2020**Last Revision of MSDS:** 01.09.2009**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

VOC: Volatile Organic Compounds

LC₅₀: Lethal concentration, 50 percentLD₅₀: 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)

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

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