

Safety Data Sheet

according to WHS Regulations

Printing date 14.09.2018

Revision: 14.09.2018

1 Identification

Product Name: INDEPENDENTS OWN IODINE SOLUTION

Other Means of Identification:

Other Name: Dilute iodophor solution

Recommended Use of the Chemical and Restriction on Use: Antiseptic Agent

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 Hazard(s) Identification

Hazardous Nature:

Not 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)

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Signal Word None

Hazard Statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P273 Avoid release to the environment.

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.

Hazardous Components:

CAS: 56-81-5	Glycerol	<15%
CAS: 84133-50-6	Alcohols, C12-C14-secondary, ethoxylated	<5%
	⚠ Serious Eye Damage/Irritation 2A, H319; Aquatic Acute 2, H401	
CAS: 7553-56-2	Iodine	<2%
	⚠ Aquatic Acute 1, H400; ⚠ Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332	

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air, rest and keep warm. 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.

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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. Seek medical attention.

Symptoms Caused by Exposure:

Inhalation: Vapours or aerosols inhaled may cause irritation, cough, shortness of breath. Iodine vapours are irritating from 0.1 ppm. Effects may be severe in sensitised individuals. Aspiration into the lungs during swallowing or vomiting may cause chemical pneumonitis (irritation of lung tissues) and pulmonary oedema. Onset of symptoms may be delayed.

Skin Contact: May be irritating to skin. For sensitised individuals, contact may cause allergic reactions, rash and acne.

Eye contact: May cause eye irritation, redness, pain and blurred vision.

Ingestion: May cause gastric upset with nausea, vomiting and possible diarrhoea.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog or fine water spray.

Specific Hazards Arising from the Chemical:

No fire or explosion hazard exists.

Hazardous combustion products include iodine, hydrogen iodide and carbon dioxide

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.

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, out of reach of children. Keep container tightly closed when not in use. Protect from physical damage, heat and direct sunlight. Keep away from oxidising agents.

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8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 56-81-5 Glycerol**NES | 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 of vapour as low as possible, at least below the occupational exposure limits.

Respiratory Protection: Respiratory protection is not required under normal use conditions.

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:** Slightly frothing liquid**Colour:** Brownish**Odour:** Smell of iodine**Odour Threshold:** No information available**pH-Value:** About neutral**Melting point/freezing point:** No information available**Initial Boiling Point/Boiling Range:** > 100 °C**Flash Point:** No information available**Flammability:** No information available**Auto-ignition Temperature:** No information available**Decomposition Temperature:** No information available**Explosion Limits:****Lower:** No information available**Upper:** No information available**Vapour Pressure:** No information available**Density:** No information available**Relative Density:** 1 g/mL**Vapour Density:** No information available**Evaporation Rate:** No information available**Solubility in Water:** Miscible**Partition Coefficient (n-octanol/water):** No information available**% Volatiles by Volume:** About 85% (as water)**VOC:** <1 %

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10 Stability and Reactivity

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

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

Conditions to Avoid: Heat and exposure to light.

Incompatible Materials: Oxidising agents.

Hazardous Decomposition Products: Iodine and hydrogen iodide.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

CAS: 56-81-5 Glycerol

Oral	LD ₅₀	12,600 mg/kg (rat)
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CAS: 7553-56-2 Iodine

Oral	LD ₅₀	14,000 mg/kg (rat)
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Acute Health Effects

Inhalation:

Vapours or aerosols inhaled may cause irritation, cough, shortness of breath. Iodine vapours are irritating from 0.1 ppm. Effects may be severe in sensitised individuals. Aspiration into the lungs during swallowing or vomiting may cause chemical pneumonitis (irritation of lung tissues) and pulmonary oedema. Onset of symptoms may be delayed.

Skin: May be irritating to skin. For sensitised individuals, contact may cause allergic reactions, rash and acne.

Eye: May cause eye irritation, redness, pain and blurred vision.

Ingestion: May cause gastric upset with nausea, vomiting and possible diarrhoea.

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

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

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 skin contact may lead to irritation and dermatitic effects.

Repeated exposure to iodine may lead to thyroid insufficiency. Overexposure to iodine may also lead to sensitisation and allergy, with subsequent exposures causing skin rash, swelling of the vocal cords, a general allergic reaction, and pain and swelling in the joints. Chronic exposure to iodine has caused tremor, insomnia, rapid heart beat, weight loss and iodism (characterised by salivation, nasal discharge, sneezing, conjunctivitis, fever, laryngitis, bronchitis, stomatitis and skin rashes).

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Existing Conditions Aggravated by Exposure:

Skin disorders, thyroid insufficiency and prior sensitisation to iodine.

12 Ecological Information**Ecotoxicity:****Aquatic toxicity:** Harmful to aquatic organisms.**Persistence and Degradability:**

The surfactant used in this product is 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:**

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

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

Not a scheduled poison.

16 Other Information**Date of Preparation or Last Revision:** 14.09.2018**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 (Dermal) 4: Acute toxicity – Category 4

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Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A
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 Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

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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