



# SAFETY DATA SHEET

## IODINE SOLUTION STRONG (10%)

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

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**PRODUCT NAME:** IODINE SOLUTION STRONG (10%)  
**PART No.:** M073  
**SUPPLIER:** J M Loveridge plc  
Southbrook Road, Southampton  
Hampshire  
SO15 1BH  
Tel: 023 8022 2008  
Fax: 023 8022 2117

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

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NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
ETHANOL 64-17-5	200-578-6	F R-11	0-63 %
IODINE 7553-56-2	231-442-4	Xn ,N R-20/21, 50	0-11 %
METHANOL 67-56-1	200-659-6	T ,F R-11, 23/24/25, 39/23/24/25	0-3.5 %

The Full Text for all R-Phrases are Displayed in Section 16

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### 3. HAZARDS IDENTIFICATION:

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Flammable. Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

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### 4. FIRST AID MEASURES:

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**GENERAL:** IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

**INHALATION:** Move affected person to fresh air. If recovery not rapid, seek medical attention. If breathing stops, provide artificial respiration. Keep affected person warm and at rest.

**INGESTION:** DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at

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rest and obtain medical attention.

**SKIN:** Remove contaminated clothing. Wash affected area with plenty of soap and water. If irritation persists, seek medical attention.

**EYES:** Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

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## 5. FIRE FIGHTING MEASURES:

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**EXTINGUISHING MEDIA:** Dry chemicals, sand, dolomite etc. Halon. Powder, foam or CO2.

**SPECIAL FIRE FIGHTING PROCEDURES:** Take measures to retain water used for extinguishing. Do not release contaminated water into drains, soil and surface water. Dispose of contaminated water and soil according to local regulations.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** May explode when heated or when exposed to flames or sparks.

**HAZARDOUS COMBUSTION PRODUCTS:** Burning will produce oxides of carbon. - may decompose in fire situation to release iodine fumes.

**PROTECTIVE MEASURES IN FIRE:** Fire fighters should wear self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES:

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**PERSONAL PRECAUTION IN SPILL:** Do not breathe vapour or fumes. Avoid direct contact with skin, eyes and clothing. Wear appropriate protective clothing. Eliminate all sources of ignition. Ventilate area to dispel residual vapour or fumes.

**PRECAUTIONS TO PROTECT ENVIRONMENT:** Prevent contamination of soil, drains and surface water.

**SPILL CLEANUP METHODS:** Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements.

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## 7. HANDLING AND STORAGE:

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**USAGE PRECAUTIONS:** HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Spillages will create a fire hazard. Avoid vapour formation and ignition sources. Ensure good ventilation and local exhaust extraction in work place. (engineering controls must be to explosion/flameproof standard).

**STORAGE PRECAUTIONS:** Store in a cool, dry, well ventilated place, in securely closed original container. Avoid direct sunlight.

**STORAGE CRITERIA:** Flammable liquid storage.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

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INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
ETHANOL	64-17-5	OES	1000 ppm	No std.
IODINE	7553-56-2	OES		0.1 ppm
METHANOL	67-56-1	OES	200 ppm(Sk)	250 ppm(Sk)

**INGREDIENT COMMENTS:** Refer to the current edition of HSE Guidance Note EH 40/200\* for occupational exposure limits; Sk - can be absorbed by skin contact.

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<b>VENTILATION:</b>	Work in a fume cupboard or use local exhaust ventilation. Respiratory protection required in insufficiently ventilated working areas.
<b>RESPIRATORS:</b>	For short periods of work, a suitable RPE fitted with a combination charcoal or organic vapour cartridge is recommended.
<b>PROTECTIVE GLOVES:</b>	Use impervious gloves made of butyl rubber or PVC.
<b>EYE PROTECTION:</b>	Approved chemical safety goggles or face protection.
<b>OTHER PROTECTION:</b>	Wear personal protective equipment appropriate to the quantity of material handled.
<b>HYGIENIC WORK PRACTICES:</b>	<b>SKIN PROTECTION</b> - use appropriate barrier cream to prevent defatting and cracking of skin.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES:

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<b>APPEARANCE:</b>	Dark brown mobile liquid with alcoholic odour.		
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	~ 0.979 - 0.988	<b>Temperature (°C):</b>	20
<b>SOLUBILITY DESCRIPTION:</b>	Miscible with water.		
<b>FLASH POINT (°C):</b>	~ 24	<b>Method:</b>	CC (Closed cup).

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## 10. STABILITY AND REACTIVITY:

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<b>STABILITY:</b>	Stable under normal conditions of use.
<b>CONDITIONS TO AVOID:</b>	Avoid heat, flames and other sources of ignition. Avoid vapour formation.
<b>MATERIALS TO AVOID:</b>	Oxidising agents. Nitric acid, sulphuric acid.
<b>HAZARDOUS DECOMP. PRODUCTS:</b>	Thermal decomposition or burning will release oxides of carbon. - also harmful iodine vapour.

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## 11. TOXICOLOGICAL INFORMATION:

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<b>HEALTH HAZARDS, GENERAL:</b>	Intoxicating if inhaled or ingested.
<b>INHALATION:</b>	Exposure to high vapour concentration may cause central nervous system depression or systemic effects similar to those of ingestion. Iodine vapour may cause irritation of mucous membrane and respiratory system.
<b>INGESTION:</b>	May cause nausea, vomiting, dizziness and depression of CNS.
<b>SKIN:</b>	Repeated or prolonged contact may cause mild irritation and/or drying (defatting) of skin. Liquid may be absorbed through skin, but during normal contact not in toxicologically significant amounts unless contact exposure is large and over prolonged period. Product will stain skin deep reddish-brown.
<b>EYES:</b>	May cause eye irritation, burning sensation or lacrymation.
<b>ROUTE OF ENTRY:</b>	Inhalation.

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## 12. ECOLOGICAL INFORMATION:

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**ECOLOGICAL INFORMATION:** AVOID RELEASE TO THE ENVIRONMENT - the preparation is likely to be harmful to aquatic environment.

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## 13. DISPOSAL CONSIDERATIONS:

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**DISPOSAL METHODS:** This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.

**WASTE CLASS:** WASTE CODE: 0705\*\* HAZARDOUS PROPERTY: H3-A, H14.

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## 14. TRANSPORT INFORMATION:

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**UN No. ROAD:** 1293

**UK ROAD PACK GR.:** III

**ADR CLASS No.:** 3

**ADR CLASS:** Class 3: Flammable liquids.

**ADR ITEM No.:** 31°(c)

**HAZARD No. (ADR):** 30 Flammable liquid (flash-point between 23°C and 61°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 61°C, heated to a temperature equal to or above its flash-point, or self heating liquid.

**ADR MARGINAL:** 2301

**ADR LABEL No.:** 3

**HAZCHEM CODE:** 2Y

**PROPER SHIPPING NAME I:** TINCTURES, MEDICINAL

**UN No. SEA:** UN 1293

**IMDG CLASS:** 3.3

**IMDG PAGE No.:** 3386

**IMDG PACK GR.:** III

**UN No., AIR:** UN-ID 1293

**ICAO CLASS:** 3

**AIR PACK GR.:** III

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## 15. REGULATORY INFORMATION:

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**LABEL FOR SUPPLY:**

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**RISK PHRASES:** R-10 Flammable.  
R-68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.  
R-20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

**SAFETY PHRASES:** S-2 Keep out of reach of children.  
S-36/37 Wear suitable protective clothing and gloves.  
S-46 If swallowed seek medical advice immediately and show this container label.

**UK REGULATORY REFERENCES:** Classification, Packaging and Labelling Regulations 1984. Chemicals (Hazard Information & Packaging) Regulations 1993.

**COMMENTS:** This product is a licenced medicine and as such is exempt from CHIP Regulations and classification for supply.  
This Safety Data Sheet provides basic safety data on non-clinical aspects of the product.

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## 16. OTHER INFORMATION:

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**INFORMATION SOURCES:** This product has been classified in accordance with CHIP3 regulations.

**REVISION COMMENTS:** Edition 01; Revised item(s):

**ISSUED BY:** MK

**SDS No.:** M151

**DATE:** 12/07/02

**DISCLAIMER:** The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.

**R-PHRASES (Full Text):** R-11 Highly flammable. R-23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R-39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R-20/21 Harmful by inhalation and in contact with skin. R-50 Very toxic to aquatic organisms.