# SAFETY DATA SHEET
# MASODINE RTU

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name** MASODINE RTU

**Product number** R072 EV

**Internal identification** Export Non-EU

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Iodine based Teat Dip

### 1.3. Details of the supplier of the safety data sheet

**Supplier**

Evans Vanodine International plc
Brierley Road
Walton Summit
Preston. UK. PR5 8AH
Tel: 01772 322 200
e-mail: productcompliance@evansvanodine.co.uk

### 1.4. Emergency telephone number

**Emergency telephone** Safety Data Sheets & For Technical Advice about this SDS - 01772 318 818 - Mon to Thu 8.30am to 4.45pm - Fri 8.30am to 1.30pm

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification (SI 2019 No. 720)**

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

### 2.2. Label elements

**Hazard statements** NC Not Classified

**Precautionary statements**

P102 Keep out of reach of children.
P301 IF SWALLOWED:
P313 Get medical advice/ attention.
P501 Dispose of contents/ container in accordance with local regulations.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. Including - Endocrine disrupting properties: None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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| C13-15 ALCOHOL ETHOXYLATE (11EO) | 3-5% |
|---|---|
| CAS number: 157627-86-6 | |
| Alternative CAS No 24938-91-8 | |

**Classification**
Acute Tox. 4 - H302
Eye Dam. 1 - H318
Aquatic Chronic 3 - H412

| IODINE | 0.1-1% |
|---|---|
| CAS number: 7553-56-2 | EC number: 231-442-4 |
| M factor (Acute) = 1 | |
| BPR +H410, M factor (Chronic) =1 | |

**Classification**
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT SE 3 - H335
Aquatic Acute 1 - H400

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments** The ingredients are present in non-hazardous concentrations. Classification is by Read-Across from similar formulations for which test data is available.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Ingestion** Do not induce vomiting. Give plenty of water to drink. Get medical attention if any discomfort continues.

**Skin contact** Wash with plenty of water.

**Eye contact** Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.

### 4.2. Most important symptoms and effects, both acute and delayed

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** No specific symptoms known.

**Ingestion** No specific symptoms known. But - May cause discomfort if swallowed.

**Skin contact** No specific symptoms known.

**Eye contact** No specific symptoms known. Prolonged contact may cause redness and/or tearing.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** No special protective clothing. (See Sec 8)

### 6.2. Environmental precautions

**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** No specific recommendations.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep only in the original container in a cool, well-ventilated place. Protect from light. Store away from the following materials: Oxidising materials.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Usage description** See Product Information Sheet & Label for detailed use of this product.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

**IODINE**

Short-term exposure limit (15-minute): WEL 0.1 ppm 1.1 mg/m³
WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

**Appropriate engineering controls** Not relevant.

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| | |
|---|---|
| **Eye/face protection** | No specific eye protection required during normal use. |
| **Hand protection** | No specific hand protection recommended. |
| **Other skin and body protection** | None required. |
| **Respiratory protection** | Respiratory protection not required. |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | Liquid. |
| **Colour** | Clear. Dark brown. |
| **Odour** | Faint Iodine. |
| **pH** | pH (concentrated solution): 4.00 |
| **Melting point** | -1°C |
| **Initial boiling point and range** | 100°C @ 760 mm Hg |
| **Flash point** | Boils without flashing. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | Not applicable. |
| **Vapour pressure** | Not available. |
| **Vapour density** | Not available. |
| **Relative density** | 1.0285 @ 20°C |
| **Solubility(ies)** | Soluble in water. |
| **Partition coefficient** | Not applicable. |
| **Auto-ignition temperature** | Not applicable. |
| **Decomposition Temperature** | Not applicable. |
| **Viscosity** | Not available. |

### 9.2. Other information

| | |
|---|---|
| **Other information** | None. |
| **Particle size** | Not applicable. |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

| | |
|---|---|
| **Reactivity** | The following materials may react with the product: Oxidising materials. |

### 10.2. Chemical stability

| | |
|---|---|
| **Stability** | No particular stability concerns. |

### 10.3. Possibility of hazardous reactions

| | |
|---|---|
| **Possibility of hazardous reactions** | See sections 10.1,10.4 & 10.5 |

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid** Oxidising agents as Iodine vapour may be evolved.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** When heated, vapours/gases hazardous to health may be formed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Figures quoted below were from ATE (Acute Toxicity Estimate) Calculation Methods using LD50 or ATE figures provided by the raw material manufacturer.

**Other health effects** Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

**Acute toxicity - oral**

**Notes (oral $LD_{50}$)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 11,131.78

**Acute toxicity - dermal**

**Summary** Not applicable.

**Acute toxicity - inhalation**

**Summary** Not applicable.

**Skin corrosion/irritation**

**Summary** Not applicable.

**Serious eye damage/irritation**

**Summary** Not applicable.

**Respiratory sensitisation**

**Summary** Not applicable.

**Skin sensitisation**

**Summary** Not applicable.

**Germ cell mutagenicity**

**Summary** Not applicable.

**Carcinogenicity**

**Summary** Not applicable.

**Reproductive toxicity**

**Summary** Not applicable.

**Specific target organ toxicity - single exposure**

**Summary** Not applicable.

**Specific target organ toxicity - repeated exposure**

**Summary** Not applicable.

**Aspiration hazard**

**Summary** Not applicable.

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**11.2 Information on other Hazards 11.2.1 Endocrine disrupting properties** None known.

## SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment.

### 12.1. Toxicity

**Toxicity** No Aquatic Toxicity Data for this product. Any data for ingredients with aquatic toxicity provided by the raw material manufacturer can be made available on request.

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended). and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020".

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** Not applicable.

### 12.4. Mobility in soil

**Mobility** Not known.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

**12.6 Endocrine disrupting properties** None known.

### 12.6. Other adverse effects

**Other adverse effects** Now section 12.7: None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal by approved waste contractor. Consign empty container to normal waste.

## SECTION 14: Transport information

**General** Not classified for Transport.

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not regulated.

### 14.4. Packing group

Not applicable.

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### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**
No.

### 14.6. Special precautions for user

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU legislation** Safety Data Sheet prepared in accordance with EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 2015/830, 453/2010 & 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".
Classification is by Read-Across from similar formulations for which test data is available.
Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.".

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

## SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**
PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
ATE: Acute Toxicity Estimate.
REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.
GHS: Globally Harmonized System.

**Classification abbreviations and acronyms**
Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Eye Dam. = Serious eye damage
Eye Irrit. = Eye irritation
Skin Irrit. = Skin irritation
STOT SE = Specific target organ toxicity-single exposure

**Key literature references and sources for data** Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.

**Classification procedures according to SI 2019 No. 720** Classification is by Read-Across from similar formulations for which test data is available.

**Revision comments** New Format Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 453/2010 & 1907/2006). - No change in Product Classification. (Changes made to sections 2,3,9,11,12,15+16)

**Revision date** 10/12/2022

**Revision** 10

# MASODINE RTU

**SDS status**

The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.

**Hazard statements in full**

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.