

MASODINE RTU [BPR]

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

1.1 - Product identifier

Trade name/designation

Chemical name MASODINE RTU [BPR]

Product-type Mixture

Product code R072 EV - Agricultural Hygiene

BPR Authorisation numbers: UK: GB-2019-1187-5-0012 & NI-2019-1187-5-0012 / Ireland: IE/BPA 70449-05-003 / Malta: 2019-09-24-B03

SDS also conforms with UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".

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

Relevant identified uses

- Ready-to-use liquid Iodophor-based teat disinfectant for milkable animals.

1.3 - Details of the supplier of the safety data sheet

UK BPR Auth holder: Evans Vanodine International plc,
Brierley Road, Walton Summit, Preston, PR5 8AH, UK

Telephone : +44 (0) 1772 322 200

Website www.evansvanodine.co.uk

Evans: productcompliance@evansvanodine.co.uk

Distributor

EU BPR Auth holder: Evans Vanodine Europe, 6-9 Trinity Street, Dublin 2. D02 EY47. Republic of Ireland.

EU Importer: Evans Vanodine Europe (FR), 3 Boulevard de Belfort, 1st Floor, Lille, 59000, France.

Tel: +33 (0)3 76 04 21 87

1.4 - Emergency telephone number

New Safety Data Sheets - 01772 322 200 - Mon to Thurs 8.30am to 4.30pm & Fri 8.30am to 1.30pm.

(English SDS is available 24/7 from our website www.evansvanodine.co.uk)

For Technical Advice about this SDS - 01772 318 818 - Mon to Thurs 8.00am to 5.30pm

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
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2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : None

Pictograms : None

Hazard statements

H412	Harmful to aquatic life with long lasting effects.
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Precautionary statements

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P273	Avoid release to the environment.
P501	Dispose of container/contents in accordance with local regulation.

EUH-phrases : None

2.3 - Other hazards

PBT substances

vPvB substances

- This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No.	%	Class(es)	Information on the substance
C13-15 Alcohol Ethoxylate (11EO)	CAS No. : 157627-86-6, Alt 24938-91-8 Index No. : EC No. : REACH No. : Exempt	3 - 5	Acute Tox. 4 Oral - H302 Aquatic Chronic 3 - H412 Eye Dam. 1 - H318	ATE oral 500 (a)
Iodine INCI: BPR +H410, M(Chr) =1	CAS No. : 7553-56-2 Index No. : EC No. : 231-442-4 REACH No. : 01-2119485285-30-xxxx	0.1 - 1	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Inhalation - H332 Aquatic Acute 1 - H400 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315 STOT SE 3 - H335	M-factor: 1 (a)

(a) Substance contributing to the classification

(b) Substance with exposure limite value

- The ingredients are present in non-hazardous to health concentrations.
- Classification is by Read-Across from similar formulations for which test data is available.
- Plus BPR imposed H & P statements.

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- 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.
<u>Following skin contact</u>	- Wash with plenty of water.
<u>After eye contact</u>	- Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.
<u>After ingestion</u>	- Do NOT induce vomiting. - Give plenty of water to drink. Get medical attention if any discomfort continues.

4.2 - Most important symptoms and effects, both acute and delayed

<u>Symptoms and effects - Following inhalation</u>	- No specific symptoms known.
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Symptoms and effects - Following skin contact

- No specific symptoms known.
- But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.

Symptoms and effects - After eye contact

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

Symptoms and effects - After ingestion

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

4.3 - Indication of any immediate medical attention and special treatment needed

- General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
- Treat symptomatically.

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

Special hazards arising from the substance or mixture

- Thermal decomposition or combustion products may include the following substances:
- Irritating gases or vapours.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- No specific protective clothing.
- See section 8.2

6.2 - 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 and material for cleaning up

- Small Spillages: Flush away spillage with plenty of water to drain.
- 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

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- Disposal: See section 13
- Personal protection equipment: see section 8
- Safe handling: See section 7

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation - No specific recommendations.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep/store only in original container.
- Keep container tightly closed in a cool, well-ventilated place.
- Store away from the following materials:
- Oxidising materials.

7.3 - Specific end use(s)

- See section 1.2 of the SDS.
- See Product Information Sheet and Label for detailed use of this product.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

Iodine (7553-56-2)

IOELV STEL mg/m ³ (UE)	1 mg/m ³
IOELV STEL ppm (UE)	0.1 ppm
STEL EH40 ppm (UK)	0.1 ppm
STEL EH40 mg/m ³ (UK)	1.1 mg/m ³

8.2 - Exposure controls

Appropriate engineering controls - Not relevant.

Individual protection measures, such as personal protective equipment - The following recommendations are based on conditions specified in BPR Authorisation.

- No specific eye protection required during normal use.
- Protective gloves

- To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.

- Wear protective clothing.

- Wear protective clothing. (protective suit at least type 6, EN 13034).



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- Wear suitable protective footwear.



- Wear suitable protective footwear (EN 13832).
- Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Thin liquid
<u>Colour</u>	dark brown	<u>Odour</u>	Faint Iodine
Odour threshold	No data available		
pH	4.0		
Melting point	-1 °C		
Freezing point	No data available		
Boiling point	100 °C		
Flash point	Not applicable		
Evaporation rate	No data available		
flammability	Not applicable		
Lower explosion limit	Not applicable		
Upper explosion limit	Not applicable		
Vapour pressure	No data available		
Vapour density	No data available		
Relative density	1.024		
Density	No data available		
Solubility (Water)	Soluble		
Solubility (Ethanol)	No data available		
Solubility (Acetone)	No data available		
Solubility (Organic solvents)	No data available		
Log KOC	Not applicable Partition coefficient n-octanol/water (Log value)		
Auto-ignition temperature	Not applicable		
Decomposition temperature	No data available		
Kinematic viscosity	No data available		
Dynamic viscosity	No data available		

Particle characteristics

Particle size	Not applicable
Dustiness	Not applicable
Specific surface area	Not applicable
Shape	Not applicable

9.2 - Other information

VOC content	0 %
Minimum ignition energy	No data available
Conductivity	No data available

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Refractive index	No data available
Solids content	No data available
Surface tension	No data available
Saturation concentration	No data available

- No data available.

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.
- The following materials may react with the product:
- Oxidising materials.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Avoid exposure to high temperatures or direct sunlight.

10.5 - Incompatible materials

- Avoid Oxidising agents as Iodine vapour may be evolved.

10.6 - Hazardous decomposition products

- When heated, vapours/gases hazardous to health may be formed.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

ATE oral : 11131.67 ATE dermal : - ATE Inhalation Dust/Mist : -
ATE Inhalation Vapor : - ATE Inhalation Gas : -

LD50 oral (rat)	Not applicable
LD50 dermal (rat)	Not applicable
LD50 dermal (rabbit)	Not applicable
LC50 inhalation gas (rat)	Not applicable
LC50 inhalation dusts and mists (rat)	Not applicable
LC50 inhalation vapours (rat)	Not applicable

- Oral ATE being >2000 = Not classified.
- Based on available data, the classification criteria are not met.
- The evaluation was carried out according to the calculation method.
- Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

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- No animal testing has been carried out for this product. Any ATE figures quoted are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Skin corrosion/irritation - Not classified

- The evaluation was carried out according to the calculation method.

Serious eye damage/eye irritation - Not classified

- The evaluation was carried out by the Method of Read-Across from similar formulations for which test data is available.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

- None known.

- 11.2.1 Endocrine disrupting properties - None known.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	Not applicable
LC50 96 hr fish	Not applicable
ErC50 algae	Not applicable
ErC50 other aquatic plants	Not applicable
NOEC chronic fish	Not applicable
NOEC chronic crustacea	Not applicable
NOEC chronic algae	Not applicable
NOEC chronic other aquatic plants	Not applicable

- Harmful to aquatic life with long lasting effects.

- H412 Class imposed by BPR Authorisation.

- No Aquatic testing carried out, therefore no Aquatic Toxicity Data available specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available

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% of biodegradation in 28 days	No data available
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- The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations No 648/2004 (as amended). and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020".

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	Not applicable Partition coefficient n-octanol/water (Log value)

- There is no bioaccumulating substance in the product.

12.4 - Mobility in soil

- No data available.

12.5 - Results of PBT and vPvB assessment

- This product does not contain any substances classified as PBT or vPvB.

12.6 - Endocrine disrupting properties

- This product does not contain any substances that are identified as having endocrine disrupting properties.

12.7 - Other adverse effects

- None

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- 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. - Biocidal Product: At the end of the treatment used solutions can be flushed to the municipal sewer or disposed to the manure deposit depending on local requirements. Avoid release to an on-site waste water treatment plant. Dispose unused product and the packaging in accordance with local and/or national requirements. Avoid release to an on-site waste-water treatment plant.
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SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

14.5 - Environmental hazards

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Not applicable

14.6 - Special precautions for user

Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

- Not relevant for a packaged product.

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content 0 %

- 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.

- Plus BPR imposed H & P statements.

- 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." (which amends SI 2019 No.720).

- The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations No 648/2004 (as amended). and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020"

- EU Reg: REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products. [BPR] and UK Reg: SI 2020 No. 1567 "The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020." (which amends SI 2019 No.720).

15.2 - Chemical Safety Assessment

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

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
4	01/04/2026		SDS prepared on new SDS software. - No change in Product Classification.

Abbreviations and acronyms

- ADR: The Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE: Acute Toxicity Estimate.
- LC50: Lethal Concentration to 50 % of a test animals.
- LOEC: Lowest Observed Effect Concentration.

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- LD50: Lethal Dose to 50% of a test animals.
- LOEL: Lowest Observed Adverse Effect Level.
- DNEL: Derived no-effect level.
- EC50: Effective concentration of the substance that causes adverse effects in 50% of test animals.
- IATA: International Air Transport Association.
- IMDG: International Maritime Dangerous Goods.
- EC No: European Community number
- NOEC: No Observed Effect Concentration.
- NOEL: No observable effect level.
- CAS No.: Chemical Abstracts Service number.
- ICAO: International Civil Aviation Organization
- PBT: Persistent, Bioaccumulative and Toxic.
- PNEC: Predicted no-effect concentration.
- RID: International Carriage of Dangerous Goods by Rail.
- STEL: Short-term exposure limit
- TWA: Time weighted average
- OEL: Occupational exposure limit.
- vPvB: very Persistent and very Bioaccumulative.
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals.

Data sources: 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.

Evaluation methods For Methods used for Classification: See sections 11.1 for Health & 12.1 for Environmental.

Texts of the regulatory sentences

Acute Tox. 4 Dermal	Acute toxicity (dermal) - Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation - Category 2
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Irritation, Category 2
STOT SE 3	STOT-single exposure - Category 3 (H335)

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