



Safety Data Sheet

According to 1907/2006/EC, Article 31 Amended by the Commission Regulation (EU) No 453/2010

PRODUCT NAME: MEDISAFE AWT

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

1.1. Product identifier:

Product name: MEDISAFE AWT
Product Code: M20059, MED1000.09-T

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

Use of substance / mixture: PC37: Water treatment chemicals.

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

Company: Medisafe UK Ltd.
Address: Twyford Road,
Bishops Stortford,
Hertfordshire,
CM23 5LJ,
United Kingdom
Web: www.medisafeinternational.com

1.4. Emergency telephone number:

Telephone: +44 (0) 1279 461 641
Fax: +44 (0) 1279 461 643
Email address of the competent person: info@medisafeinternational.com

Section 2: Hazards identification

2.1. Classification of the substance or mixture:

Classification under CLP: Eye Irrit. 2: H319

Most important adverse effects: Irritating to eyes.

Classification under CHIP: Xi: R36

2.2. Label elements:

Label elements under CLP:

Hazard statements: H319: Causes serious eye irritation.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark



Precautionary statements: P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313: If eye irritation persists: Get medical advice/attention.

Label elements under CHIP:

Hazard symbols: Irritant.



Risk phrases: R36: Irritating to eyes.

2.3. Other hazards:

Other hazards:

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. -

3.2. Mixtures –

Hazardous ingredients:

CITRIC ACID

EINECS	CAS	CHIP Classification	CLP Classification	Percent
-	77-92-9	Xi: R36	Eye Irrit. 2: H319	10-30%

PROPAN-2-OL

200-661-7	67-63-0	F: R11; Xi: R36; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336	<1%
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Section 4: First aid measures

4.1. Description of first aid measures:

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.
Transfer to hospital for specialist examination.



Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2. **Most important symptoms and effects, both acute and delayed:**

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures

5.1. **Extinguishing media:**

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. **Special hazards arising from the substance or mixture:**

Exposure hazards: In combustion emits toxic fumes.

5.3. **Advice for fire-fighters:**

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. **Personal precautions, protective equipment and emergency procedures:**

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised Personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. **Environmental precautions:**

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. **Methods and material for containment and cleaning up:**

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.



- 6.4. **Reference to other sections:**
Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

- 7.1. **Precautions for safe handling:**
Handling requirements: Avoid direct contact with the substance.
Ensure there is sufficient ventilation of the area.

Avoid the formation or spread of mists in the air.
- 7.2. **Conditions for safe storage, including any incompatibilities**
Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.
Suitable packaging: Polyethylene.
- 7.3. **Specific end use(s)**
Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

- 8.1. **Control parameters:**
Workplace exposure limits:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m ³	1250 mg/m ³	-	-

- 8.2. **DNEL/PNEC Values**
DNEL / PNEC: No data available.
- 8.3. **Exposure controls:**
Engineering measures: Ensure there is sufficient ventilation of the area.
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.
Hand protection: Protective gloves.
Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.
Skin protection: Protective clothing.
Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9: Physical and chemical properties

- 9.1. **Information on basic physical and chemical properties:**
State: Liquid
Colour: Colourless
Odour: Characteristic odour
Evaporation rate: No data available.
Oxidising: No data available.
Solubility in water: Soluble
Viscosity: No data available.
Boiling point/range°C: ~100
Flammability limits %: Lower: Not applicable.
- Melting point/range°C: Not applicable.
Upper: Not applicable.



Flash point°C: 60 - 93
 Part.coeff. n-octanol/water: No data available.
 Autoflammability°C: No data available
 Vapour pressure: No data available
 Relative density: No data available pH: No data available.
 VOC g/l: No data available

9.2. Other information:

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity:

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability:

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions:

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid:

Conditions to avoid: Heat.

10.5. Incompatible materials:

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products:

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects:

Toxicity values:

PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated



11.2. Symptoms / routes of exposure:

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity:

Ecotoxicity values: No data available.

12.2. Persistence and degradability:

Persistence and degradability: Biodegradable.

12.3. Bio-accumulative potential:

Bio-accumulative potential: No bioaccumulation potential.

12.4. Mobility in soil:

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment:

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects:

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods:

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: May be reused following decontamination.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. Transport class: This product does not require a classification for transport.

Section 15: Regulatory information



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

Specific regulations: All the raw materials/chemicals sourced for use in this product are pre-registered for REACH (where applicable) or have undergone the registration process and therefore said to be REACH compliant.

15.2. Chemical Safety Assessment:

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

16.1. Other information:

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

16.2. Legend to abbreviations:

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness. R11:

Highly flammable.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

Abbreviations:

PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration I

C50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig



RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

Disclaimer:

This Material Safety Data Sheet is not a technical specification and does not guarantee any properties or performance. It has been published for the purpose of giving guidance to the user in the safe storage, use and disposal of the product

The information and recommendations contained herein are, to the best of our knowledge and belief, accurate at the date of publication but does not purport to be all inclusive and shall be used only as a guide. Medisafe UK Ltd assumes shall not be held liable for any injury and damage resulting from the handling or from contact with the above product.