

## Safety Data Sheet (SDS)

Prepared in accordance with Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830.

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier:

**Product Name:** Ultimate 2.0 Eco Mat

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

Used for deodorizing and cleaning purpose. Restrictions on use: No special restriction on use.

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

**Supplier:** Hygiene Innovations Pty Ltd.

Address: PO Box 43, Mt Ommaney, Qld 4074, Australia.

Email: joel@hygieneinnovations.com.au

**Further information obtainable from:** Hygiene Innovations Pty Ltd.

**Information in case of emergency:** +61 4189851432.

### 2. Hazards identification

#### 2.1. Classification of the substance or mixture:

##### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP):

Skin Sens. 1A

#### 2.2. Label elements

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

##### .Hazard Statements:

H315: May cause skin irritation.

H317: May cause an allergic skin reaction.

H319: May cause severe eye irritation.

##### .Precautionary Statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P264: Wash hands thoroughly after handling.

P272: Contaminated work clothes must not be taken out of the workplace. P273: Avoid releasing into the environment.

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

##### .Response Precautionary Statements:

P302+P352: In case of skin contamination: wash thoroughly with water

P333+P313: Seek medical advice/attention if skin irritation or rash.

P362+P364: Remove contaminated clothing and wash before reuse.

P305+P351+P338: If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention

.Storage precautionary statements: No special requirement.

.Disposal precautionary statements:

P501: Dispose of contents/container to relevant local and national regulations (It is recommended to use incineration method to dispose of waste).



### 3. Composition/information on ingredients

**Product description:** substance ( ); preparation/mixture (√)

#### Urinal Deodorizing Biological Block:

Name		CASNo.	EC No.	Index No	REACH registration number	% by weight	
Sodium chloride		7647-14-5	231-598-3	Not available	Not available	75.0-76.0%	
Sodium dodecylbenzenesulfonate		25155-30-0	246-680-4	Not available	Not available	7.0-7.5%	
Sodium stearate		822-16-2	212-490-5	Not available	Not available	4.8-5.2%	
Sodium oleate		143-19-1	205-591-0	Not available	Not available	4.3-4.8%	
Sodium palmitate		408-35-5	206-988-1	Not available	Not available	4.3-4.8%	
Water		7732-18-5	231-791-2	Not available	Not available	2.5-3.0%	
Coco amido betaine		61789-40-0	263-058-8	Not available	Not available	0.3-0.5%	
Fragrance	Orange oil	8008-57-9	600-006-9	Not available	Not available	≥10	≤0%
	Linalool	78-70-6	201-134-4	603-235-00-2	Not available	≥1	<7%
	Citronellol	106-22-9	203-375-0	Not available	Not available	≥1	<5%
	Decanal	112-31-2	203-957-4	Not available	Not available	≥1	≤%
	Alpha-Terpi neol	10482-56-1	233-986-8	Not available	Not available	≥0.1	≤%
	Citr al	5392-40-5	226-394-6	605-019-00-3	Not available	≥0.1	≤%
Pigment		Not available	Not available	Not available	Not available	0.025%	

#### Urinal Deodorizing Screen:

Name		CAS No.	EC No.	Index No	REACH registration number	% by weight	
EVA Ethylene vinyl acetate (EVA)		24937-78-8	607-457-0	Not available	Not available	69.5%	
Fragrance (Kiwi Grapefruit)	D-Limonene	5989-27-5	227-813-5	601-029-00-7	Not available	10-15%	
	2-Phenoxyethanol	122-99-6	204-589-7	603-098-00-9	Not available	5-10%	
	Benzyl benzoate	120-51-4	204-402-9	607-085-00-9	Not available	5-10%	
	4-tert-Butylcyclohexyl acetate	32210-23-4	250-954-9	Not available	Not available	5-10%	
	DL-Menthol	1490-04-6	216-074-4	Not available	Not available	1-5%	
	Linalool	78-70-6	201-134-4	603-235-00-2	Not available	1-5%	
	Citr al	5392-40-5	226-394-6	605-019-00-3	Not available	1-5%	
Pigment		Not available	Not available	Not available	Not available	0.5%	

**Classification according to Regulation (EC) No 1278/2008 (CLP):**
**Urinal Deodorizing Biological Block:**

Name		CASNo.	Classification according to Regulation (EC) No 1278/2008 (CLP).	
			HazardClassand CategoryCode(s)	Hazardstatement Code(s)
Sodium chloride		7647-14-5	Not available	Not available
Sodium dodecylbenzenesulfonate		25155-30-0	Not available	Not available
Sodium stearate		822-16-2	Not available	Not available
Sodium oleate		143-19-1	Not available	Not available
Sodium palmitate		408-35-5	Not available	Not available
Water		7732-18-5	Not available	Not available
Coco amido betaine		61789-40-0	Not available	Not available
Fragrance	Orange oil	8008-57-9	Not available	Not available
	Linalool	78-70-6	Skin Sens. 1B	H317
	Citronellol	106-22-9	Not available	Not available
	Decanal	112-31-2	Not available	Not available
	Alpha-Terpineol	10482-56-1	Not available	Not available
	Citral	5392-40-5	Skin Irrit. 2 Skin Sens. 1	H315 H317
Pigment		Not available	Not available	Not available

**Urinal Deodorizing Screen:**

Name		CAS No.	Classification according to Regulation (EC) No 1278/2008 (CLP).	
			HazardClassand CategoryCode(s)	Hazardstatement Code(s)
EVA Ethylene vinyl acetate (EVA)		24937-78-8	Not available	Not available
Fragrance (Kiwi Grapefruit)	D-Limonene	5989-27-5	Skin Irrit. 2	H315
	2-Phenoxyethanol	122-99-6	Eye Irrit. 2	H319
	Benzyl benzoate	120-51-4	Not available	Not available
	4-tert-Butylcyclohexyl acetate	32210-23-4	Not available	Not available
	DL-Menthol	1490-04-6	Not available	Not available
	Linalool	78-70-6	Skin Sens. 1B	H317
	Citral	5392-40-5	Skin Irrit. 2 Skin Sens. 1	H315 H317
Pigment		Not available	Not available	Not available

#### 4. First aid measures

##### 4.1. Description of first aid measures:

**.Following eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**.Following skin contact:** Wash with plenty water, If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**.Following inhalation:** No special measures as there is no hazard for inhalation. If discomfort occurs after inhaling dust or fume from processing or thermal decomposition, remove to a place where air is fresh.

**.Following ingestion:** Do not induce vomiting without professional instruction. Get medical attention if discomfort occurs.

**.Self-protection of the first aider:** No special requirement.

**4.2. Most important symptoms/effects, acute and delayed:** Acute effect: Not found. Delayed effect: Not found.

**4.3. Indication of any immediate medical attention and special treatment needed:** Treat according to symptoms.

#### 5. Fire-fighting measures

##### 5.1. Extinguishing Media:

**Suitable extinguishing media:** This product is not flammable, as for a fire caused by surrounding ignition sources, choose proper extinguishers according to fire types. Seek advice from local fire-fighting authority.

**Unsuitable Extinguishing Media:** Discharging cylinder shape water from fire hose may lead to spread fire to the surroundings.

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

**Hazardous combustion products:** The product is not flammable, no special danger.

##### 5.3. Advice for firefighters:

For initial fire, use dry powder, carbon dioxide, etc.

For large fire, it is effective to use fire foam, etc. to shut off air supply.

Fire-fighters must wear self-contained breathing apparatus and full protective equipment (e.g. fire-retardant clothing).

Deny unnecessary entry to the place around the fire.

Remove containers from fire area if it can be done without risk.

Cool surrounding facilities, etc. with water spray.

Extinguish fire from upwind, and the fire extinguishing method should be appropriate to the situation in the surroundings.

#### 6. Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures:** Use proper personal protective equipment as indicated in Section 8.

**6.2. Environmental Precautions:** Keep cleaning run-offs out of municipal sewers and open bodies of water. Comply with local and national laws and regulations.

##### 6.3. Methods and materials for containment and cleaning up:

Due to the nature of this product, there is no special measure for collection.

Collect it into a proper container for disposal.

Avoid generating dust during collection and clean-up.

##### 6.4. Reference to other sections:

For more information, please refer to Section 8 and Section 13.

## 7. Handling and storage

### 7.1. Precautions for safe handling:

- Avoid breathing dust/fume.
- Contaminated work clothing should not be allowed out of the workplace
- Wash hands thoroughly after handling.
- Avoid damage of packaging or containers during handling.
- Avoid release to the environment.
- Wear protective gloves.

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

**Technical measures and storage conditions:** Store it in a well-ventilated, cool and dry store room. The storeroom should be equipped with proper facilities for accidental fire.

**Incompatible materials:** No special requirement for this product.

**Packaging materials:** Plastic bags.

**Requirements for storage rooms and vessels:** Well-ventilated and dry.

#### Storage class

**Further information on storage conditions:** The storeroom should be equipped with proper facilities for accidental fire.

**7.3. Specific end use(s):** Used for deodorizing and cleaning purpose.

## 8. Exposure controls/personal protection

### 8.1. Control parameters:

Ingredients	COSHH Workplace exposure limits-TWA	OSHA PEL-TWA	ACGIH TLV-TWA
Not applicable	Not applicable	Not applicable	Not applicable

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls:

- If user operations generate mist/vapours, use ventilation to keep exposure to airborne contaminants in a proper range. Install eye washer and safety shower near handling and storage area.
- Indicate the location of this facility with clear and prominent.

**8.2.2 Personal protection equipment:****Protection of Hands:**

Recommend wearing protective gloves for industrial hygienic purpose.

**Protection of Eyes:**

No special requirements under normal conditions. Wear safety glasses when dust or fume may be generated during processing or working for a long time.

**Other skin protection:**

Gauntlets, boots, bodysuit are recommended.

**Respiration protection:**

Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

**Thermal hazards:**

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

**8.2.3 Environmental exposure controls:**

Maintain levels below Community environmental protection thresholds.

**9. Physical and chemical properties**

General Information Appearance Colour	
Odour	Solid Blue, white
Odour threshold	No data available
pH	No data available
Melting point/freezing point	6-8
Initial boiling point and boiling range	No data available Not applicable
Flash point	Not applicable
Evaporation rate	No data available
Flammability (solid, gas)	This product is not classified as flammable solid.
Flammable/Explosive Limits-Lower Vol %	Not applicable
Flammable/Explosive Limits-Upper Vol %	Not applicable
Vapour pressure	No data available
Vapour density	No data available
Density	Approx. 2.5~2.6g/cm <sup>3</sup> (water=1)
Solubility	Soluble in water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available

**10. Stability and reactivity**

**10.1. Reactivity:** The product is no-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability:** This product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**10.3. Possibility of hazardous reactions:** No information available.

**10.4. Conditions to avoid:** High temperature.

**10.5. Incompatible materials:** No special requirement for this product.

**10.6. Hazardous decomposition products:** No information available.

**11. Toxicological information**
**11.1. Information on toxicological effects**

.Acute toxicity:

Ingredient(s)	CASNo.	LD <sub>50</sub> /LC <sub>50</sub> (Median lethal dose)

Sodium chloride	7647-14-5	Acute toxicity (Oral) LD50: 3,550mg/kg (rat) Data source: ECHA Acute toxicity (Dermal) LD50 > 10,000mg/kg (rat) Data source: ECHA
Sodium dodecylbenzenesulfonate	25155-30-0	Acute toxicity (Oral) LD50: 650mg/kg (rat) Data source: ECHA Acute toxicity (Dermal) LD50 > 2,000mg/kg (rat) Data source: ECHA
2-Phenoxyethanol	122-99-6	Acute toxicity (Oral) LD50: 1260mg/kg (rat) Data source: ECHA Acute toxicity (Dermal) LD50 > 14420 mg/kg (rat) Data source: ECHA <del>Acute toxicity (Oral) LD50: 4400mg/kg (rat)</del> Data source: ECHA
D-Limonene	5989-27-5	Acute toxicity (Dermal) LD50: > 5000mg/kg (rabbit) Data source: ECHA Acute toxicity (Oral) LD50: 6,800 mg/kg (rat)
Citral	5392-40-5	Data source: ECHA Acute toxicity (Dermal) LD50 > 2,000 mg/kg (rat) Data source: ECHA Acute toxicity (Oral) LD50: 1900mg/kg (rat)
Benzyl benzoate	120-51-4	Data source: ECHA Acute toxicity (Dermal) LD50: 1680mg/kg (rabbit) Data source: ECHA Acute toxicity (Oral) LD50 > 5,000 mg/kg (rat)
Orange oil	8008-57-9	Data source: National Library of Medicine (NLM) Acute toxicity (Dermal) LD50 > 5,000 mg/kg (rabbit) Data source: National Library of Medicine (NLM) Acute toxicity (Oral) LD50: 3,000mg/kg (rat)
Linalool	78-70-6	Acute toxicity (Dermal) LD50: 3,000mg/kg (rabbit) Data source: OECD Screening Information Data Set  Not classified.
Classification of the whole product:		

**Skin corrosion/irritation**

Sodium dodecylbenzenesulfonate (CAS: 25155-30-0): Category 2 (Data source: ECHA, HSDB)  
 Alpha-Terpineol (CAS: 10482-56-1): Category 2 (Data source: ECHA )  
 Citronellol (CAS: 106-22-9): Category 2 (Data source: ECHA)  
 Citral (CAS: 5392-40-5): Category 2 (Data source: CLP)  
 Classification of the whole product: not classified.

**Serious eye damage/eye irritation**

Sodium dodecylbenzenesulfonate (CAS: 25155-30-0): Category 2 (Data source: ICSC, Korean Occupational Health and Safety Agency (KOSHA)) Alpha-Terpineol (CAS: 10482-56-1): Category 1 (Data source: ECHA ) Citronellol (CAS: 106-22-9): Category 2 (Data source: ECHA) Decanal (CAS: 112-31-2): Category 2 (Data source: ECHA) Classification of the whole product: not classified. Linalool (CAS: 78-70-6): Category 1B (Data source: CLP) Citronellol (CAS: 106-22-9): Category 1B (Data source: ECHA) Citral (CAS: 5392-40-5): Category 1 (Data source: CLP) Classification of the whole product: not classified. No classification for this product.

**Sensitisation, skin**

No classification for this product.

**Sensitisation, respiratory**

No classification for this product.

**Germ cell mutagenicity**

No classification for this product.

**Carcinogenicity**

No classification for this product.

**Reproductive Toxicity****Summary of evaluation of the CMR properties****STOT-single exposure**

No classification for this product.

**STOT-repeated exposure**

No classification for this product.

**Aspiration hazard**

No classification for this product.

**12.****12.1. Toxicity:**

Sodium chloride (CAS: 7647-14-5):

96h-LC50: 5,840mg/L, fish

48h-LC50: 874mg/L, invertebrates

Data source: ECHA

Sodium dodecylbenzenesulfonate (CAS: 25155-30-0):

96h-LC50: 35.601 mg/L, fish

48h-LC50: 23.265 mg/L, invertebrates

Data source: ECHA

Linalool (CAS: 78-70-6):

96h-LC50: 27.8 mg/L, fish

48h-EC50: 59 mg/L, invertebrates

Data source: ECHA

2-Phenoxyethanol (CAS: 122-99-6):

96h-LC50: 23 mg/L, fish

24h-EC50: 100mg/L, invertebrates

Data source: ECHA

D-Limonene (CAS: 5989-27-5):

96h-LC50: 80 µg/L, fish

48h-EC50: 720 µg/L, invertebrates

Data source: ECHA

Citral (CAS: 5392-40-5):

96h-LC50: 6.78 mg/L, fish

48h-EC50: 6.8 mg/L, invertebrates

Data source: ECHA

Benzyl benzoate (120-51-4):

96h-LC50: 258 µg/L, fish

48h-EC50: 6.78 mg/L, invertebrates

Data source: ECHA

Classification of the whole product: Not classified.

### **12.2. Persistence and Degradability:**

Abiotic Degradation: No information available.

Physical- and photo-chemical elimination: No information available.

Biodegradation: No information available.

### **12.3. Bioaccumulative Potential:**

Partition coefficient n-octanol /water (log Kow): No information available.

Bioconcentration factor (BCF): No information available.

**12.4. Mobility in Soil:** No information available.

**12.5. Results of PBT and vPvB Assessment:** No information available.

**12.6. Other adverse effects:** Not found.

**12.7. Additional information:** No information available.

## **13. Disposal Considerations**

### **13.1 Waste treatment methods**

#### **13.1.1 Product / Packaging disposal:**

Do not allow product to reach sewage system. Do not throw it into any open bodies of water. After contents are completely removed, dispose of its container at hazardous or special waste collection point. Waste recycling must be operated strictly according to relevant regulations. Waste codes / waste designations according to LoW: EWC code: 20 01 29 In other countries different conditions might be valid. All national and local laws have to be considered. **13.1.2 Waste treatment-relevant information:**

Paste a label on the container indicating the possible hazards of the waste.

#### **13.1.3 Sewage disposal-relevant information:**

Do not discharge waste into sewage without any treatment.

**13.1.4 Other disposal recommendations:** Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.

## 14. Transport Information

### ADR and RID / Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG.:

Identification Conclusion:

The substance is not regulated as dangerous transport good and is not subject to IMO/IMDG code.

**14.1.UNnumber:** Not applicable.

**14.2.UNproper shipping name:** Not regulated.

**14.3.Transport hazard class (es):** Not applicable.

**14.4.Packinggroup:** Not applicable.

**14.5.AssignedPictogram:** Not applicable.

**14.6.Environmental hazards (Marine Pollutant (Yes/No)):** No.

**14.7.MSNO.:** Not applicable.

**14.8.Specialprecautions for user:** Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

**14.9. Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable.

## 15. Regulatory information

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

.Candidate List of Substances of very high concern (SVHC) according to ECHA: Not listed.

.REACH Regulation Annex XVII Regulation List: Not listed.

.REACH Regulation Annex XIV Authorization List: Not listed.

.Germany – WGK: WGK-2

**15.2. Chemical Safety Assessment:** A Chemical Safety Assessment has not been carried out.

**15.3.Other relevant regulations:**

.Sara:

.Section 355 (extremely hazardous substances): Not listed.

.SARA 313: Not listed.

.Toxic Substances Control Act (TSCA):

Ingredients with specific CAS numbers are listed in the U.S. Toxic Substances Control Act Chemicals Substance Inventory List.

.Clean Water Act:

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA- Hazardous Substances
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

.Carcinogenicity categories: Not listed by ACGIH, IARC and NTP.

## 16. Other information

**DISCLAIMER:** All the information of this SDS is true and effective, and only for reference. Our company will not

control the way how people use it, neither will we be responsible for any consequence. The users shall decide how to properly use the product or adopt certain production way for some special purpose. The above-mentioned precautionary measures are helpful to avoid damage to the property or life safety during the operation or use of this product.

**References:**

EC No.1907/2006 (REACH)

EC No. 1272/2008 (CLP)

Commission Regulation (EU) 2015/830

<b>Classification according to Regulation (EC) Nr. 1272/2008</b>	<b>Classification procedure</b>
Skin Sens. 1A; H317	Concentration threshold

**description of some acronyms:****CAS-Chemical Abstracts Service****EINECS-European Inventory of Existing Commercial Chemical Substances****IMO-International Maritime Organization****IMDG-International Maritime Dangerous Goods****IATA-International Air Transport Association****ICAO-International Civil Aviation Organization****TSCA-Toxic Substances Control Act****OSHA-Occupational Safety and Health Administration****ACGIH-American Conference of Governmental Industrial Hygienists****DFGOT-Occupational Toxicants Critical Data Evaluation for MAK Values and Classification of Carcinogens Vol.****1-20. RTECS- Registry of Toxic Effects of Chemical Substances NIOSH CD-ROM****The Issuing date:** September 29, 2023**SDS Version:** 1.0