



## SAFETY DATA SHEET

### CHRYSALIS LEGEND URINAL CHANNEL BLOCKS

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

##### 1.1. Product identifier

<b>Product name</b>	CHRYSALIS LEGEND URINAL CHANNEL BLOCKS
<b>Product number</b>	YUB3
<b>Container size</b>	3KG

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

<b>Identified uses</b>	Masking of odours in toilets. For professional use only.
<b>Uses advised against</b>	Not for direct contact with Food or Beverage stuffs. Not for oral consumption.

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

<b>Supplier</b>	Chrysalis Supplies Limited Unit 9a, Crest Rise Thurmaston Leicestershire LE4 9EX info@chrysalis.uk.com
<b>Manufacturer</b>	UK - Merlin Chemicals Ltd. Unit 5 Passfield Mill Business Park, Liphook, Hampshire, GU30 7RR Tel: +44 (0)1428 751122 email: technical@kersia-group.com EU - Kersia Deutschland GmbH, Marie-Curie-Straße 23 53332 Bornheim - Sechtem

##### 1.4. Emergency telephone number

<b>Emergency telephone</b>	Out of Office Hours Emergency Information:- For accidents and spillages involving this product that pose a threat to the environment, or human health, or require immediate first aid advice please call:- +44 (0)1865 407333. NOTE: This number will not provide technical details of the product, or deal with other general enquiries regarding application and use of the product. This product is registered with the NPIS. UK Environment Agency 24hour Advisory Service 0800 807060.
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#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
<b>Environmental hazards</b>	Aquatic Chronic 3 - H412

##### 2.2. Label elements

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### Hazard pictograms



<b>Signal word</b>	Danger
<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects. EUH208 Contains 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, CITRAL, EUCALYPTOL, LIMONENE. May produce an allergic reaction.
<b>Precautionary statements</b>	P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P280 Wear protective gloves. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P313 Get medical advice/ attention. P404 Store in a closed container. P501 Dispose of contents/ container in accordance with national regulations.
<b>Contains</b>	SODIUM SALT OF BENZENE SULPHONIC ACID MONO C10-C13 ALKYL DERIV's
<b>Detergent labelling</b>	15 - < 30% anionic surfactants, Contains CITRAL
<b>Supplementary precautionary statements</b>	P404 Store in a closed container. P501 Dispose of contents/ container in accordance with national regulations.

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>SODIUM SALT OF BENZENE SULPHONIC ACID MONO C10-C13 ALKYL DERIV's</b>	<b>10-30%</b>
CAS number: 68411-30-3	EC number: 270-115-0
	REACH registration number: 01-2119489428-22-0000

#### Classification

Acute Tox. 4 - H302  
Skin Irrit. 2 - H315  
Eye Dam. 1 - H318  
Aquatic Chronic 3 - H412

### SODIUM CARBONATE

**1-3%**

CAS number: 497-19-8

EC number: 207-838-8

REACH registration number: 01-2119485498-19-XXXX

#### Classification

Eye Irrit. 2 - H319

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<b>2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene</b>	<b>&lt;1%</b>
CAS number: 80-56-8	EC number: 201-291-9
	REACH registration number: 01-2119519223-49-XXXX
<b>Classification</b>	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Asp. Tox. 1 - H304	
<b>CITRAL</b>	<b>&lt;1%</b>
CAS number: 5392-40-5	EC number: 226-394-6
	REACH registration number: 01-2119462829-23-XXXX
<b>Classification</b>	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
<b>EUCALYPTOL</b>	<b>&lt;1%</b>
CAS number: 470-82-6	EC number: 207-431-5
	REACH registration number: 01-2119967772-24-XXXX
<b>Classification</b>	
Flam. Liq. 3 - H226	
Skin Sens. 1B - H317	
<b>LIMONENE</b>	<b>&lt;1%</b>
CAS number: 138-86-3	EC number: 205-341-0
M factor (Acute) = 1	M factor (Chronic) = 1
<b>Classification</b>	
Flam. Liq. 3 - H226	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
Asp. Tox. 1 - H304	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

The full text for all hazard statements is displayed in Section 16.

**Composition comments** To the best of our knowledge, all of the substances used in this product are being supported for the relevant application in REACH.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

**General information** For immediate First Aid advice in the UK, dial 111. When it is safe to do so, remove victim immediately from source of exposure. However, consideration should be given as to whether moving the victim will cause further injury.

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<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.
<b>Skin contact</b>	Rinse immediately with plenty of water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>General information</b>	Prolonged contact may result in dryness of skin. Eye contact may result in redness and stinging discomfort.
<b>Inhalation</b>	Unlikely route of exposure.
<b>Ingestion</b>	Unlikely route of exposure without deliberate abuse. There may be soreness and redness of mouth and throat. A soapy taste may be reported.
<b>Skin contact</b>	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause sensitising or allergic reaction.
<b>Eye contact</b>	May result in permanent eye damage.

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

<b>Notes for the doctor</b>	Rinse well with water. Check for abrasion to the surface of eyes.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	On heating irritating fumes may be formed.
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Protective clothing and respiratory protection should be worn when tackling fires involving this product. Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid or minimise the creation of any environmental contamination. Normal use solutions can be rinsed to effluent drains (not surface water drains).
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Collect spillage with a shovel and broom, or similar and reuse, if possible.
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### 6.4. Reference to other sections

Reference to other sections See sections 8,12 & 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations.

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

Storage precautions Keep container tightly closed. Store in a cool and well-ventilated place. Store between 0 and 40 Degrees C.

#### 7.3. Specific end use(s)

Specific end use(s) Urinal Deodouriser Detergent, refer to use instructions.

Usage description Refer to use instructions.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

Ingredient comments No exposure limits known for ingredient(s). Where new information becomes available under REACH, this will be passed on as revisions to the Safety Data Sheet.

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

If use of this product generates dust, mists, vapours or fumes, process enclosures or local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits quoted in this msds or other data sources.

##### Personal protection

The PPE indicated above is not a COSHH assessment. It represents PPE that should be considered during the manufacture, distribution, use and final disposal stages of this product's life cycle. It is the responsibility of employers to conduct a COSHH/risk assessment to determine appropriate PPE levels. The information given below should be used to support this assessment. Where possible replace manual processes with automated or closed processes to minimise contact with the product.

##### Eye/face protection

The following protection should be worn: Wear approved chemical safety goggles where eye exposure is reasonably probable. Refer to EN Standard 166 to select appropriate level of protection.

##### Hand protection

For prolonged skin contact use of gloves is recommended for chemicals. Rubber, neoprene or PVC. The expected use of this product is such that gloves with a breakthrough time of >60 minutes should be regarded as sufficient. Gloves should be inspected regularly for damage and replaced when necessary. Refer to Standard EN 374 and EN 16523

##### Other skin and body protection

Wear protective clothing suitable for work area.

##### Hygiene measures

Not applicable.

##### Respiratory protection

No specific recommendations.

##### Environmental exposure controls

Do not allow the substance to contaminate surface water/ground water. See points 6, 12 & 13.

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**General Health and Safety Measures.** A full Risk Assessment should be carried out before handling any chemical(s). Risk Assessments should refer to COSHH, and any other relevant legislation or industry specific guidelines governing the use of chemicals. Note:- the perfumes used in this product may cause sensitisation to skin.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Solid
<b>Colour</b>	Yellow.
<b>Odour</b>	Lemon.
<b>Odour threshold</b>	Not applicable.
<b>pH</b>	~8 at 1% v/v dilution
<b>Melting point</b>	Data lacking.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	Not available. Not applicable. Contains no Flammable Components
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Relative density</b>	Not applicable.
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not applicable. Technically not feasible. Not technically practical for mixtures.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not applicable.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not applicable.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising. Not applicable. Contains no Oxidising Components.
<b>9.2. Other information</b>	
<b>Refractive index</b>	Not applicable.
<b>Particle size</b>	Not applicable.
<b>Molecular weight</b>	Not applicable.
<b>Volatility</b>	Not applicable.

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<b>Saturation concentration</b>	Not applicable.
<b>Critical temperature</b>	Not applicable.
<b>Volatile organic compound</b>	Not applicable.
<b>Explosive Properties</b>	Not Classified as Explosive
<b>Storage Temperature Range</b>	Store between 0 and +40 Degrees C

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** Not expected to react when correctly stored and used. Mixing with other chemicals may produce unexpected reactions.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended. - See note 10.6.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Refer to section 10.1. Do not mix with Hypochlorite based chemicals, this could result in a dangerous heating of the solution.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time. Avoid storing in moist or wet areas.

#### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended. - See section 10.5.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**ATE oral (mg/kg)** 2,500.0

##### Carcinogenicity

**Carcinogenicity** The components of this formulation will not be systemically available in the body under normal conditions of handling. As a consequence it is not expected to cause cancer.

##### Reproductive toxicity

**Reproductive toxicity - fertility** The components of this formulation will not be systemically available in the body under normal conditions of use and handling. As a consequence it is not expected to be toxic to the reproductive system or developing foetus.

**General information** See section 4.2.

**Inhalation** Inhalation of neat product is unlikely. - See section 4.2.

**Ingestion** Will cause severe irritation to mouth, throat and GI-Tract. Unlikely route of exposure without deliberate abuse. There may be soreness and redness of mouth and throat. A soapy taste may be reported. May cause irritation/discomfort to mucous membranes. - See section 4.2

**Skin contact** Irritating to skin. May cause sensitisation or allergic reactions in sensitive individuals.

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**Eye contact** Risk of serious damage to eyes. May cause permanent eye injury.

### Toxicological information on ingredients.

#### SODIUM SALT OF BENZENE SULPHONIC ACID MONO C10-C13 ALKYL DERIV's

##### Acute toxicity - oral

ATE oral (mg/kg) 500.0

#### SODIUM CARBONATE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 4,090.0

Species Rat

ATE oral (mg/kg) 4,090.0

### SECTION 12: Ecological information

**Ecotoxicity** This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

#### 12.1. Toxicity

##### Acute aquatic toxicity

**Acute toxicity - fish** This mixture is not classified as toxic to aquatic organisms. Normal use is unlikely to pose a hazard to the environment. See note 12.0

### Ecological information on ingredients.

#### LIMONENE

##### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C50 ≤ 1

M factor (Acute) 1

##### Chronic aquatic toxicity

M factor (Chronic) 1

#### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) used in this preparation complies (comply) with the biodegradability criteria as laid down in the European Detergents Regulation No 648/2004 as amended.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Not expected to bioaccumulate.

**Partition coefficient** Not applicable. Technically not feasible. Not technically practical for mixtures.

#### 12.4. Mobility in soil

**Mobility** The product contains substances which are water soluble and may spread in water systems.

#### 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.



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### 12.6. Other adverse effects

**Other adverse effects** Not determined.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** When handling waste, the safety precautions applying to handling of the product should be considered. Do not mix with other chemicals.

**Disposal methods** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction.

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

##### **Transport labels**

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

##### **Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 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

**National regulations** UK Adoption and Implementation of the UN Globally Harmonised System (GHS) on Classification and Labelling of Chemicals (GB CLP) and considers UK National REACH legislation.

**EU legislation** European Regulation (EC) No 1272/2008 (as amended) on Classification, Labelling and Packaging of Substances and Mixtures.  
Also considered is the REACH Regulation (EC) No.1907/2006 (as amended).

#### 15.2. Chemical safety assessment

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### Pcs Information

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>(EC) No. 1272/2008 : EU Regulation on Classification, Labelling and Packaging of Substances and Mixtures.</p> <p>NPIS - National Poisons Information Service.</p> <p>vPvB - Very Persistent, Very bioaccumulative.</p> <p>PBT - Persistent, Bioaccumulative &amp; Toxic.</p> <p>REACH - Registration, Evaluation, Authorisation &amp; restriction of CHemicals (Regulation EC 1907/2006).</p> <p>DNEL - Derived No Effect Limit.</p> <p>PNEC - Predicted No Effect Concentration.</p> <p>COSHH - Control of Substances Hazardous to Health.</p> <p>LC50 - Lethal Concentration 50 - The environmental contamination at which 50% mortality is reached over a fixed time scale.</p> <p>LD50 - Lethal Dose 50 - The dose at which 50% of the tested group will die.</p> <p>Industry - Refers in section 8 to application of the substance in an industrial process.</p> <p>Professional - Refers in section 8 to application/use of the preparation/product in a skilled trade premises.</p>
<b>General information</b>	<p>This document is a Safety Data Sheet, NOT a CoSHH assessment. It is the customer's responsibility to conduct a full CoSHH assessment, taking into account the information held within this document along with other local factors considered in a risk assessment. The Risk and Hazard statements listed below are the full text of abbreviations used in this document. They are not the final classification, for this refer to section 2.</p>
<b>Revision comments</b>	<p>Amendment to the emergency phone number in Section 1.4.</p>
<b>Revision date</b>	<p>11/11/2021</p>
<b>SDS number</b>	<p>27210</p>
<b>Hazard statements in full</b>	<p>H226 Flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p>EUH208 Contains 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene, CITRAL, EUCALYPTOL, LIMONENE. May produce an allergic reaction.</p>
<b>REACH extended MSDS comments</b>	<p>REACH requires that persons handling chemicals should take the necessary risk management measures, in accordance with assessments from manufacturers and importers of chemical substances. The relevant recommendations must be passed along the supply chain. These assessments are generally reported in Exposure Scenarios. Where Exposure Scenarios have been provided for substances used in this product, the relevant information is incorporated into the safety data sheet.</p>

**END OF SAFETY DATA SHEET**

## CHRYSALIS LEGEND URINAL CHANNEL BLOCKS

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.