

SAFETY DATA SHEET

Gentworks

Version: 1.0 Date: 28.06.2015

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

Biological Blocks and Sticks

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier**
Product Name **Biological Blocks and Sticks for Aquafree Waterless Urinal Cartridges**
CAS No. None assigned - Mixture
EINECS No. None assigned - Mixture
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Identified Use(s) High spec detergent block for foaming and freshening urinals..
Uses Advised Against Anything other than the above.
- 1.3 Details of the supplier of the safety data sheet**
Company Identification Gentworks Limited
The Barn
Emmington
OXON
OX39 4AA
Telephone +44 (0)1844 353210
Fax +44 (0)870 458 1884
E-Mail (competent person) support@gentworks.co.uk
- 1.4 Emergency telephone number**
Emergency Phone No. +44 (0)1844 353210 Monday - Friday 09:00 – 17:00 (GMT)

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP)** Skin Irrit. 2; H315
Eye Dam. 1; H318
Aquatic Chronic 3; H412
- 2.1.2 Directive 67/548/EEC & Directive 1999/45/EC** Not assessed.
- 2.2 Label elements**
Product Name **Biological Blocks and Sticks**
Contains: Sodium Alkylbenzenesulphonate, *citral*, *coumarin*, *hexyl cinnamal*, *butylphenyl methylpropional*, *limonene*, *linalool*, *hydroxyisohexyl 3-cyclohexene carboxaldehyde*
- Hazard Pictogram(s) 
- Signal Word(s) Danger
- Hazard Statement(s) H315: Causes skin irritation.
H318: Causes serious eye damage.
H412: Harmful to aquatic life with long lasting effects
- Precautionary Statement(s) P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.

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P302+P352: IF ON SKIN: Wash with plenty of water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P102: Keep out of reach of children.

2.3 Other hazards

EUH208 May cause an allergic reaction.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances Not applicable - Substances in preparations / mixtures

3.2 Mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Statement(s)
Alkyl Benzene Sulphonate	30-50	68411-30-3	270-115-0	None assigned	Acute Tox. 4; H302 (SCL >65%) Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 3; H412
Pine oil	1- 5	8000-41-7	232-268-1	None assigned	Skin Irrit. 2; H315 Eye Irrit. 2; H319
Herbal Fragrance	3%	Mixture	Mixture	None assigned	Not classified. (separate assessment)
Sulphamic Acid	1-5	5329-14-6	226-218-8	None assigned	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 3; H412

Allergenic Fragrances included at > 0.01%-0.1% (are below the threshold for classification according to Regulation (EC) No. 1272/2008 (CLP). Allergens >0.1% must be included on the label.

Chemical identity of the substance	%W/W	CAS No.	EC No.
<i>hexyl cinnamal</i>	<0.175%	101-86-0	202-983-3
<i>linalool</i>	<0.175%	78-70-6	201-134-4
Citral	<0.105%	5392-40-5	226-394-6
<i>coumarin</i>	<0.105%	6485-40-1	229-352-5
<i>butylphenyl methylpropional</i>	<0.105%	80-54-6	201-289-8
Limonene	<0.105%	5989-27-5 5989-54-8 138-86-3	227-813-5
<i>hydroxyisohexyl 3-cyclohexene carboxaldehyde</i>	<0.105%	31906-04-4	250-863-4

Contains harmless Class 1 biological spores. >1e8 spores/ gram of mixture.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

IF ON SKIN: After contact with skin, wash immediately with plenty of water. Remove contaminated clothing and wash clothing before reuse. If irritation develops and persists, get medical attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

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Ingestion	CENTER or doctor/physician. Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician.
4.2 Most important symptoms and effects, both acute and delayed	Causes serious eye damage. Causes skin irritation.
4.3 Indication of any immediate medical attention and special treatment needed	Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media Suitable Extinguishing Media Unsuitable extinguishing Media	Extinguish with carbon dioxide, dry chemical, foam or waterspray. Do not use water jet. Direct water jet may spread the fire.
5.2 Special hazards arising from the substance or mixture	Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulphur oxides.
5.3 Advice for fire-fighters	Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid release to the environment.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Ensure suitable personal protection during removal of spillages. Avoid contact with skin and eyes.
6.2 Environmental precautions	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.
6.3 Methods and material for containment and cleaning up	Clean up contamination/spills as soon as they occur. Collect as much as possible in a suitable clean container, preferably for re-use, otherwise for disposal.
6.4 Reference to other sections	See Section: 8,13

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Avoid contact with skin and eyes. Good hygiene practices and housekeeping measures. Wear protective gloves/eye protection. Do not eat, drink or smoke when using this product.
7.2 Conditions for safe storage, including any incompatibilities Storage temperature Storage life Incompatible materials	Keep in a cool, well ventilated place. Keep container tightly closed and dry. Keep out of reach of children. Do not allow material to freeze. Stable under normal conditions. None known.
7.3 Specific end use(s)	See Section: 1.2

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	
8.1.1 Occupational Exposure Limits	Not established.
8.1.2 Biological limit value	Not established.
8.1.3 PNECs and DNELs	Not established.
8.2 Exposure controls	
8.2.1 Appropriate engineering controls	Ensure adequate ventilation.

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8.2.2 Individual protection measures, such as personal protective equipment (PPE)

Good hygiene practices and housekeeping measures. Avoid contact with skin and eyes.

Eye/face protection



Wear goggles giving complete protection to eyes to protect against liquid splashes (EN166).

Skin protection



Avoid prolonged skin contact. Recommended: Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer. Recommended: Butyl rubber

Respiratory protection



Respiratory protection is not necessary if room is well ventilated. In case of inadequate ventilation wear respiratory protection.

Thermal hazards

No specific measures identified.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Coloured waxy solid (Green)
Odour	Herbal Fragrance
Odour Threshold	Not established.
pH	6-8 (1% solution @ 20 °C)
Melting Point/Freezing Point	Not established.
Initial boiling point and boiling range	Not established.
Flash point	Not established.
Evaporation Rate	Not available.
Flammability (solid, gas)	Not established.
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not established.
Vapour density	Not established.
Relative density	Not available.
Solubility(ies)	Soluble in water.
Partition coefficient: n-octanol/water	Not established.
Auto-ignition temperature	Not established.
Decomposition Temperature	Not determined.
Viscosity	Not established.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

None known.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None known.
10.4 Conditions to avoid	Temperature: < 4°C, or: > 32°C
10.5 Incompatible materials	None known.
10.6 Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulphur oxides.

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11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects (Substances in preparations / mixtures)	
	Acute toxicity	Not classified.
	Ingestion	Not classified.
	Inhalation	Not classified.
	Skin Contact	Not classified.
	Skin corrosion/irritation	Skin Irrit. 2; H315: Causes skin irritation.
	Serious eye damage/irritation	Eye Dam. 1; H318: Causes serious eye damage.
	Respiratory or skin sensitization	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	Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Aquatic Chronic 3; H412: Harmful to aquatic life with long lasting effects.
12.2	Persistence and degradability	Not persistent. The mixture is expected to biodegrade rapidly and complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
12.3	Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4	Mobility in soil	The product is predicted to have high mobility in soil. Soluble in water.
12.5	Results of PBT and VPVB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Disposal should be in accordance with local, state or national legislation.
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14. SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA/ICAO
14.1	UN number	None assigned.	None assigned.
14.2	Proper Shipping Name	None assigned.	None assigned.
14.3	Transport hazard class(es)	Not classified.	Not classified.
14.4	Packing group	Not classified.	Not classified.
14.5	Environmental hazards	Not classified	Not classified as a Marine Pollutant.
14.6	Special precautions for user	See Section: 2	
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	No information available.	No information available. No information available.

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or Restrictions On Use	None.
15.1.2	National regulations	None known.

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15.2 Chemical Safety Assessment

None.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

References:

Safety Data Sheets for ingoing ingredients. Existing ECHA registration(s) for Alkyl Benzene Sulphonate (CAS No.68411-30-3), Pine oil (CAS No.8000-41-7). Fragrance SDS.

Individual classification of substances provided by external toxicological consultants.

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010.

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Skin Irrit. 2; H315	Threshold Calculation
Skin Sens 1; H317	Threshold Calculation
Eye Dam. 1; H318	Threshold Calculation
Aquatic Chronic 3; H412	Summation Calculation

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

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