



**CERTIFICATE OF ANALYSIS**

PRODUCT **Bath and Shower Gel**  
BATCH NUMBER **4356001**  
BEST BEFORE END **April 2021**

| Quality Control Test    | Test Method | Test Result | Specification                             |
|-------------------------|-------------|-------------|---|
| Appearance              | BAM 36      | Pass        | Clear to translucent yellow liquid @ 20°C |
| pH                      | BAM 38      | 9.95        | 9.5 – 10.5                                |
| Solids                  | BAM 18B     | 30.47%      | 30 – 34%                                  |
| Colour (Lovibond 5.25") | BAM 65      | 3.3R 19Y    | 5.0R 50Y max                              |
| Viscosity               | BAM 41      | 985cps      | 1000cps max                               |



**BATH & SHOWER GEL  
S&P FREE**

| <b>Ingredient</b>        | <b>%</b>   | <b>CAS</b>  | <b>EINECS</b> |
|--------------------------|------------|-------------|---------------|
| Aqua                     | > 50%      | 7732-18-5   | 231-791-2     |
| Potassium Cocoate *      | 10 – 25%   | 61789-30-8  | 263-049-9     |
| Potassium Oleate **      | 10 – 25%   | 143-18-0    | 205-590-5     |
| Lauryl Betaine           | 1 – 5%     | 683-10-3    | 211-669-5     |
| Glycerin                 | 1 – 5%     | 56-81-5     | 200-289-5     |
| Benzyl Alcohol           | 0.5 – 1.0% | 100-51-6    | 202-859-9     |
| Potassium Palm Kernelate | 0.1 – 0.5% | 70969-43-6  | 275-067-4     |
| Palm Kernel Acid         | 0.1 – 0.5% | 101403-98-9 | 309-936-7     |
| Decyl Glucoside          | 0.1 – 0.5% | 54549-25-6  | 259-218-1     |
| Potassium Citrate        | 0.1 – 0.5% | 866-84-2    | 212-755-5     |

- 
- \* Derived from Coconut Oil
  - \*\* Derived from Sunflower Oil

Revision Number 3



## **BATH & SHOWER GEL**

### **S&P FREE**

#### **Specification**

|                      |   |
|----------------------|---|
| Appearance @ 20°C:   | Clear to translucent yellow liquid at 20°C              |
| Non Volatile Solids  | 30% - 34%   |
| pH @ 25°C            | 9.5 – 10.5  |
| Colour specification | 5.0 Red, 50 Yellow Max<br>(5.25" cell using tintometer) |
| Viscosity @ 25oC     | 1000cps Max   |

*Revision Number 4*



## PROCESSING INSTRUCTIONS BATH & SHOWER GEL S&P FREE

Like all water based personal care products, Bath and Shower Gel Base is susceptible to microbial contamination. Good hygiene and manufacturing practices must be carried out when using this product at all times.

### CONVERTING BODY WASH BASE INTO THICKENED FINISHED PRODUCT

- 1:** Make up a 20% salt solution in warm deionised or softened water:
  - Warm the deionised or softened water. (The warmer it is, the faster the salt will dissolve.)
  - Turn agitator on.
  - Add salt.
  - Stir until salt is fully dissolved and you have a clear solution.
  
- 2:** To a sterilised vessel with a suitable stirrer (preferably with variable speed), lid and heater add the Bath and Shower Gel Base .
  
- 3:** To speed up the time it takes to dissolve the essential oils, pre-warm the Body Wash Base to 30 - 35°C. With the stirrer on, add the organic essential oils as required (typically add 0.3 – 0.5%). Stir for 10 – 15 minutes, or until the essential oils are fully dispersed and in some cases fully dissolved.
  
- 4:** **\*\* Please note.** Due to the nature of this Bath and Shower Gel Base , which is derived from several natural and organic ingredients, additives such as some essential oils can turn it very cloudy. Over time some of these ingredients may slowly dissolve so that the product looks slightly clearer, but others can agglomerate and make the product look hazy or not homogenous. Although the appearance may not be aesthetically appealing the product can be perfectly functional. Stability testing should be performed.
  
- 5:** Pre-warming to 30 - 35°C will aid stirring and make the salt solution disperse more quickly. With stirrer on slow, add \*\*\* 20% salt solution to the vortex created by the stirrer. Mix until homogeneous and thickened.  
Check viscosity against the desired specification

- 6: Add extra salt solution if required. Further adjustments should be made in increments of around 0.2 - 0.4% of 20% salt solution.

**\*\*\* Please note**

Laboratory trials should first be carried out to determine how much salt solution is required.

As a ballpark guideline, typically 5 – 10 % of a 20% salt solution should thicken the product to around 5,000 – 20,000 cps Brookfield Viscometer, spindle 3 @ 12 rpm @ 25°C.

FILLING OF THICKENED BODY WASH

- 1: Before filling the processed thickened Bath and Shower Gel Base , it is advisable that it should pass microbiological testing.
- 2: The viscosity of a salt thickened Bath and Shower Gel Base is greatly affected by temperature. The colder it is the thicker it becomes. The filling temperature should be considered, and typically would be around 15 - 30°C.
- 3: The filled product should pass microbiological testing.

**Please note:** due to the nature of this Body Wash, and the possibility of developing a cloudy or non-homogenous appearance with certain additives, it is advisable not to fill into clear packaging.



## **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: **Bath & Shower Gel S&P Free**

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

15/02/19



## SAFETY DATA SHEET

BATH & SHOWERGEL

S&P FREE

Compilation date: 17/07/2015

Revision No: 5

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

#### 1.1. Product identifier

**Product name:** BATH & SHOWERGEL S&P FREE

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

**Use of substance / mixture:** PC39: Cosmetics, personal care products.

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

**Company name:** MADAR Corporation Limited  
19-20 Sandleheath Industrial Estate  
Fordingbridge  
Hampshire  
SP6 1PA

**Approved Sellers:** Mystic Moments, New Directions, World of Moulds

#### 1.4. Emergency telephone number

**Emergency tel:**

### Section 2: Hazards identification

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

**Classification under CLP:** This product has no classification under CLP.

#### 2.2. Label elements

**Label elements:** This product has no label elements.

#### 2.3. Other hazards

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

### Section 3: Composition/information on ingredients

#### 3.2. Mixtures

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**Hazardous ingredients:**

LAURYL BETAINE (MACKAM LAB)

| EINECS    | CAS      | PBT / WEL | CLP Classification                    | Percent |
|-----------|----------|-----------|---------------------------------------|---------|
| 211-669-5 | 683-10-3 | -         | Skin Corr. 1B: H314; Eye Dam. 1: H318 | 2.730%  |

BENZYL ALCOHOL

|           |          |   |  |        |
|-----------|----------|---|--|--------|
| 202-859-9 | 100-51-6 | - | Acute Tox. 4: H332; Acute Tox. 4: H302 | 1.000% |
|-----------|----------|---|--|--------|

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Consult a doctor.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

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

**Immediate / special treatment:** Not applicable.

**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:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.



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BATH & SHOWERGEL S&P FREE

**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:** Ensure there is sufficient ventilation of the area.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

**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:** No data available.

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Pale yellow

**Odour:** Characteristic odour

**Solubility in water:** Miscible

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BATH & SHOWERGEL S&P FREE

**Viscosity:** Non-viscous

**Kinematic viscosity:** 1-1000cps

**Boiling point/range °C:** 100

**pH:** 9 - 11

**Melting point/range °C:** 0

## 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

**Hazardous ingredients:**

#### BENZYL ALCOHOL

|            |     |         |       |       |
|------------|-----|---------|-------|-------|
| DERMAL     | RBT | LD50    | >2000 | mg/kg |
| INHALATION | RAT | 4H LC50 | 4.18  | mg/l  |
| ORAL       | RAT | LD50    | 1230  | mg/kg |

**Toxicity values:** No data available.

### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

## Section 12: Ecological information

**SAFETY DATA SHEET**  
BATH & SHOWERGEL S&P FREE

**12.1. Toxicity**

**Hazardous ingredients:**

**LAURYL BETAINE (MACKAM LAB)**

|      |          |    |      |
|------|----------|----|------|
| FISH | 96H LC50 | 15 | mg/l |
|------|----------|----|------|

**BENZYL ALCOHOL**

|  |          |     |      |
|--|----------|-----|------|
| DAPHNIA                                | 48H EC50 | 230 | mg/l |
| FISH                                   | 96H LC50 | 460 | mg/l |
| GREEN ALGA (Selenastrum capricornutum) | 72H EC50 | 500 | mg/l |

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative 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:** Dispose of as normal industrial waste.

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

**Section 14: Transport information**

**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**

**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.

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**Section 16: Other information**

**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.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.