



CERTIFICATE OF ANALYSIS

PRODUCT **Bath and Shower Gel**
BATCH NUMBER **4311507**
BEST BEFORE END **January 2020**

Quality Control Test	Test Method	Test Result	Specification
Appearance	BAM 36	Pass	Clear to translucent yellow liquid @ 20°C
pH	BAM 38	9.97	9.5 – 10.5
Solids	BAM 18B	30.45%	30 – 34%
Colour (Lovibond 5.25")	BAM 65	2.5R 12.0Y	5.0R 50Y max
Viscosity	BAM 41	370cps	1000cps max



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

Ingredient	%	CAS	EINECS
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 (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

SAFETY DATA SHEET
BATH & SHOWERGEL S&P FREE

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.

SAFETY DATA SHEET
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

SAFETY DATA SHEET

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.

SAFETY DATA SHEET
BATH & SHOWERGEL S&P FREE

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.