CERTIFICATE OF ANALYSIS

PRODUCT	**Bubble Bath Base**
BATCH NUMBER	**4344010**
BEST BEFORE END	**December 2020**

Quality Control Test	Test Method	Test Result	Specification
Appearance	BAM 36	Pass	Clear viscous liquid
pH	BAM 38	4.92	4.5 - 5.5
Viscosity	BAM 41	14,510cps	10,000 – 20,000cps

BiOrigins, 19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK
Tel: 01425 655555 Email: technical@madarcorporation.co.uk

BUBBLE BATH BASE

Ingredient	%	CAS	EINECS
Aqua	>50%	7732-18-5	231-791-2
Sodium Laureth Sulfate	5 – 10%	68891-38-3	500-234-8
Sodium Chloride	1 – 5%	7647-14-5	231-598-3
Cocamidopropyl Betaine	1 – 5%	61789-40-0	263-058-8
Phenoxyethanol	1 – 5%	122-99-6	204-589-7
Sodium Benzoate	0.1 – 0.5%	532-32-1	208-534-8
Tetrasodium Glutamate Diacetate	<0.1%	51981-21-6	257-573-7

Revision Number 0

BUBBLE BATH BASE

Specification

Appearance	Clear Viscous Liquid
pH (neat at 25C)	4.5 – 5.5
Viscosity (Brookfield sp3, 6rpm)	10000 - 20000 cps

Revision Number 2

SAFETY DATA SHEET

BUBBLE BATH BASE

Compilation date: 19/01/2015

Revision date: 07/04/2015

Revision No: 1

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

1.1. Product identifier

Product name: BUBBLE BATH BASE

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: BioOrganics, Cosmetic Butters, Mystic Moments, New Directions, World of Moulds

Tel: +44(0)1425 655555

Email: technical@madarcorporation.co.uk

1.4. Emergency telephone number

Emergency tel: Non- UK emergency number: +44 (0) 1425 655555

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: This product has no classification under CHIP.

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

Hazardous ingredients:

SODIUM ALKYL ETHER SULPHATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
221-416-0	3088-31-1	Xi: R41; Xi: R38	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 3: H412	9.450%

COCAMIDOPROPYL BETAINE - REACH registered number(s): 01-2119488533-30-0001

263-058-8	61789-40-0	Xi: R41	Aquatic Chronic 3: H412; Eye Dam. 1: H318	2.420%

PHENOXYETHANOL - REACH registered number(s): 01-2119488943-21

204-589-7	122-99-6	Xn: R22; Xi: R36	Eye Irrit. 2: H319; 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.

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: Colourless

Odour: Characteristic odour

Solubility in water: Soluble

Viscosity: Viscous

Boiling point/range°C: 100 **Melting point/range°C:** 0

pH: 4.5 - 5.5

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:

SODIUM ALKYL ETHER SULPHATE

ORL	RAT	LD50	4000	mg/kg

COCAMIDOPROPYL BETAINE

DERMAL	-	calculated	> 5000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	calculated	> 5000	mg/kg

PHENOXYETHANOL

DERMAL	RBT	LD50	14391	mg/kg
DUST/MIST	-	4H LC50	>5	mg/l
ORL	RAT	LD50	2740	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

12.1. Toxicity

Hazardous ingredients:

SODIUM ALKYL ETHER SULPHATE

FISH	96H LC50	1 - 10	mg/l

COCAMIDOPROPYL BETAINE

ALGAE	72H ErC50	2.4	mg/l
Daphnia magna	48H EC50	1.9	mg/l
FISH	96H LC50	1.11	mg/l

PHENOXYETHANOL

ALGAE	72H ErC50	>500	mg/l
DAPHNIA	48H EC50	> 500	mg/l
FISH	96H LC50	344	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 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.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Nature of Revision - Reach Regulations

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

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

R22: Harmful if swallowed.

R36: Irritating to eyes.

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

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.

PROCESSING INSTRUCTIONS
BUBBLE BATH BASE

1. Add required amount of Bubble Bath Base to a suitable vessel.
2. Using a suitable stirring utensil add colour and or fragrance as required. (It is recommended that no more than ***1% water soluble fragrance*** is to be added to the formulation. Above this amount can cause the product to thin and have a cloudy appearance. We recommend that you do fragrance stability work as part of your product development).
3. Stir for 5 - 10 minutes or until all the added ingredients have fully dispersed (Do not stick blend or high shear the product).

N/B – For larger production batches, processing should be scaled up appropriately. Consideration will need to be given to stirring equipment and appropriate filling equipment.

4. Test the product to ensure it is to the right specification for your finished product. See '*Note 3'* for advice on thickening the base after fragrance addition.
5. Fill into the required containers.
6. Take sample for microbiological testing both before and after filling
7. Complete products safety assessment to finish development.

Notes:

1. ***Like all water based personal care products, Bubble Bath Base is susceptible to microbial contamination, even though it has passed microbial preservative challenge testing. Good hygiene and good manufacturing practices must be carried out when using this product at all times.***

2. ***Like all your formulations, Bubble Bath Base should first pass stability testing and microbial preservative challenge testing after your product development before manufacture and launch.***

3. ***The Bubble Bath Base is a pre thickened product. This provides a hassle free base for your product development. Should your base require thickening after the addition of your water soluble fragrances, small increments of Cocamidopropyl Betaine can be added and easily stirred in. (Please be aware that over thickening the base can cause it to go cloudy and thin.) THIS PRODUCT DOES NOT THICKEN WITH SALT.***

Revision 0

Vegetarian & Vegan Suitability Statement

PRODUCT NAME: **Bubble Bath Base**

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