

# Pearl Pearlied Liquid Soap

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Issue date: 06/05/2016 Revision date: 05/06/2020 Supersedes version of: 01/06/2018 Version: 6.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Pearl Pearlied Liquid Soap  
UFI : AR6N-P0A8-E00S-8N0R

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Cosmetic

##### 1.2.2. Uses advised against

Restrictions on use : Anything other than intended use as listed on the label.

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

M & G Energy  
London Road Mall  
Kingswood Trading Estate  
Pembroke Dock  
Pembrokeshire  
SA72 4RS  
Tel: 01646 622644  
Email: matt@mgenergy.co.uk

#### 1.4. Emergency telephone number

Emergency number : 01646 622644  
Office hours only.

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazard statements (CLP) : H319 - Causes serious eye irritation.  
Precautionary statements (CLP) : P280 - Wear eye 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.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
EUH-statements : EUH208 - Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)(55965-84-9). May produce an allergic reaction.

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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name  | Product identifier  | %          | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|------------|---|
| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO)                | (CAS-No.) 68891-38-3<br>(EC-No.) 500-234-8<br>(REACH-no) 01-2119488639-16 | ≥ 1 – < 10 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412  |
| Amides, C8-18(even numbered) and C18(unsatd.), n,n-bis(hydroxyethyl)                          | (EC-No.) 931-329-6<br>(REACH-no) 01-2119490100-53                         | ≥ 1 – < 10 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411  |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | (CAS-No.) 55965-84-9<br>(EC Index-No.) 613-167-00-5                       | < 1        | Acute Tox. 3 (Oral), H301<br>Acute Tox. 2 (Dermal), H310<br>Acute Tox. 2 (Inhalation), H330<br>Acute Tox. 3<br>(Inhalation:dust,mist), H331<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10) |

### Specific concentration limits:

| Name  | Product identifier  | Specific concentration limits  |
|---|---|--|
| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO)                | (CAS-No.) 68891-38-3<br>(EC-No.) 500-234-8<br>(REACH-no) 01-2119488639-16 | ( 5 ≤C < 10) Eye Irrit. 2, H319<br>( 10 ≤C < 100) Eye Dam. 1, H318   |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | (CAS-No.) 55965-84-9<br>(EC Index-No.) 613-167-00-5                       | ( 0.0015 ≤C ≤ 100) Skin Sens. 1A, H317<br>( 0.06 ≤C < 0.6) Skin Irrit. 2, H315<br>( 0.06 ≤C < 0.6) Eye Irrit. 2, H319<br>( 0.6 ≤C ≤ 100) Skin Corr. 1C, H314<br>( 0.6 ≤C ≤ 100) Eye Dam. 1, H318 |

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Wash skin with plenty of water.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.   |

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

|                                    |                   |
|------------------------------------|-------------------|
| Symptoms/effects after eye contact | : Eye irritation. |
|------------------------------------|-------------------|

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.  
Incompatible products : Oxidizing agent. Strong acids. Strong bases.  
Special rules on packaging : Keep only in original container. Store in a closed container.

### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Hand protection:

Where a risk of contact with hands is likely, suitable chemical resistant gloves is recommended.

##### Eye protection:

Safety glasses. Use eye protection according to EN 166.

##### Skin and body protection:

If direct or repeated skin contact is likely, wear suitable protective clothing

##### Respiratory protection:

Not required under normal conditions of use.

##### Personal protective equipment symbol(s):



##### Environmental exposure controls:

Avoid release to the environment.

##### Other information:

When used as a cosmetic product, as per (EC) No. 1223/2009, personal protective equipment is not required if used under normal conditions of use.

### SECTION 9: Physical and chemical properties

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

|  |                     |
|--|---------------------|
| Physical state                             | : Liquid            |
| Colour                                     | : pink.             |
| Odour                                      | : Floral.           |
| Odour threshold                            | : No data available |
| pH   | : 5 – 8             |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point                              | : Not applicable    |
| Freezing point                             | : No data available |
| Boiling point                              | : No data available |
| Flash point                                | : > 65 °C           |
| Auto-ignition temperature                  | : No data available |
| Decomposition temperature                  | : No data available |
| Flammability (solid, gas)                  | : Not applicable    |
| Vapour pressure                            | : No data available |
| Relative vapour density at 20 °C           | : No data available |
| Relative density                           | : No data available |
| Density                                    | : 1.02 – 1.04       |
| Solubility                                 | : No data available |

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|   |                     |
|---|---------------------|
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : > 2000 cP         |
| Explosive properties                            | : No data available |
| Oxidising properties                            | : No data available |
| Explosive limits                                | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Amides, C8-18(even numbered) and C18(unsatd.), n,n-bis(hydroxyethyl) |  |
|--|--|
| LD50 oral rat  | 5000 mg/kg   |
| LD50 dermal rabbit   | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:Modification of the techniques described in Appraisal of the Safety of Chemicals in Foods, Drugs & Cosmetics, compiled by staff of the Division of Pharmacology, Food and Drug Administration |

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Not classified<br>pH: 5 – 8                 |
| Serious eye damage/irritation     | : Causes serious eye irritation.<br>pH: 5 – 8 |
| Respiratory or skin sensitisation | : Not classified                              |
| Germ cell mutagenicity            | : Not classified                              |
| Carcinogenicity                   | : Not classified                              |
| Reproductive toxicity             | : Not classified                              |
| STOT-single exposure              | : Not classified                              |
| STOT-repeated exposure            | : Not classified                              |

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| Amides, C8-18(even numbered) and C18(unsatd.), n,n-bis(hydroxyethyl) |   |
|--|---|
| LOAEL (dermal, rat/rabbit, 90 days)                                  | 50 mg/kg bodyweight Animal: rat   |
| NOAEL (oral, rat, 90 days)   | > 750 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents) |

| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO) (68891-38-3) |   |
|---|---|
| NOAEL (oral, rat, 90 days)  | > 225 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) |   |
|--|---|
| LC50 fish 1  | 0.22 mg/l (rainbow trout)                         |
| EC50 Daphnia 1   | 0.1 mg/l (daphnia)                                |
| EC50 72h algae (1)   | 0.048 mg/l (pseudokirchneriella subcapitata)      |
| NOEC chronic fish  | 0.098 mg/l (rainbow trout) 28d                    |
| NOEC chronic crustacea   | 0.004 mg/l (daphnia) / 21d                        |
| NOEC chronic algae   | 0.0012 mg/l (pseudokirchneriella subcapitata) 72h |

| Amides, C8-18(even numbered) and C18(unsatd.), n,n-bis(hydroxyethyl) |   |
|--|---|
| LC50 fish 1  | 2.4 mg/l  |
| EC50 Daphnia 1   | 3.2 mg/l  |
| EC50 72h algae (1)   | 3.9 mg/l  |
| LOEC (chronic)   | 0.24 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| NOEC (chronic)   | 0.07 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| NOEC chronic fish  | 0.32 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d' |

| Alcohols, C12-14(even numbered), ethoxylated, sulfates, sodium salts (< 2.5EO) (68891-38-3) |  |
|---|--|
| LC50 fish 1   | 7.1 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)                    |
| EC50 Daphnia 1  | 7.2 mg/l Test organisms (species): Daphnia magna   |
| EC50 Daphnia 2  | 7.4 mg/l Test organisms (species): Daphnia magna   |
| EC50 72h algae (1)  | 27 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)   |
| EC50 72h algae (2)  | 27.7 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

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|                   |   |
|-------------------|---|
| NOEC (chronic)    | 0.27 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| NOEC chronic fish | 0.14 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d' |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|---|---------------|---------------|---------------|---------------|
| <b>14.1. UN number</b>                  |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

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### Rail transport

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BLV                         | Biological limit value  |
| CAS-No.                     | Chemical Abstract Service number  |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC50                        | Median effective concentration  |
| EC-No.                      | European Community number   |
| EN                          | European Standard   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |
| OEL                         | Occupational Exposure Limit   |



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|       |   |
|-------|---|
| PBT   | Persistent Bioaccumulative Toxic  |
| PNEC  | Predicted No-Effect Concentration   |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID   | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS   | Safety Data Sheet   |
| vPvB  | Very Persistent and Very Bioaccumulative  |
| WGK   | Water Hazard Class  |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 2 (Dermal)               | Acute toxicity (dermal), Category 2   |
| Acute Tox. 2 (Inhalation)           | Acute toxicity (inhal.), Category 2   |
| Acute Tox. 3 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3  |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3   |
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment — Chronic Hazard, Category 1   |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment — Chronic Hazard, Category 2   |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment — Chronic Hazard, Category 3   |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1   |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2   |
| Skin Corr. 1C                       | Skin corrosion/irritation, Category 1C  |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2   |
| Skin Sens. 1A                       | Skin sensitisation, category 1A   |
| H301                                | Toxic if swallowed.   |
| H310                                | Fatal in contact with skin.   |
| H314                                | Causes severe skin burns and eye damage.  |
| H315                                | Causes skin irritation.   |
| H317                                | May cause an allergic skin reaction.  |
| H318                                | Causes serious eye damage.  |
| H319                                | Causes serious eye irritation.  |
| H330                                | Fatal if inhaled.   |
| H331                                | Toxic if inhaled.   |
| H400                                | Very toxic to aquatic life.   |
| H410                                | Very toxic to aquatic life with long lasting effects.   |
| H411                                | Toxic to aquatic life with long lasting effects.  |
| H412                                | Harmful to aquatic life with long lasting effects.  |
| EUH208                              | Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)(55965-84-9). May produce an allergic reaction. |

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.