

SAFETY DATA SHEET



Issuing Date: 08-Nov-2022

Revision Date: 08-Nov-2022

Revision Number 1

1. IDENTIFICATION

| | |
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| Product Name | EC30 Shampoo Light Blue 2022 TC |
| Product Identifier | WS-20221028-00359-A_RANDD_NG |
| Product Type: | R&D Material |
| Recommended use | Intermediate. |
| Product category | Unpackaged Bulk Product. This Safety Data Sheet must not be used for Packaged Consumer Product. |
| Details of the supplier of the safety data sheet | F&HC INNOVATION CENTER 5299 SPRING GROVE AVE CINCINNATI, OH 45217 +1 513 627-7777 |
| E-mail Address | pgsds.im@pg.com |
| Emergency Telephone | Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531 |

2. HAZARD IDENTIFICATION

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

| | |
|----------------------------------|--|
| Skin corrosion/irritation | Category 2 |
| Eye Damage / Irritation | Category 1 |
| Skin sensitization | Category 1 |
| Signal word | Danger |
| Hazard statements | Causes skin irritation Causes serious eye damage May cause an allergic skin reaction |

Hazard pictograms



| | |
|---------------------------------|--|
| Precautionary Statements | Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves IF ON SKIN: Take off contaminated clothing and wash before reuse |
|---------------------------------|--|

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 CENTER or doctor/physician
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves and protective clothing
Wear eye/face protection
Use personal protective equipment as required
Wash hands thoroughly after handling

Precautionary Statements - Response

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
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 CENTER or doctor/physician
IF ON SKIN: Wash with plenty of water and soap
If skin irritation or rash occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

Precautionary Statements - Storage None

Precautionary Statements - Disposal Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

| Chemical name | Synonyms | Trade Secret | CAS No | Weight-% |
|--|---|--------------|-------------|-----------|
| Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts (n=1)/Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C12-14-alkyl ethers, sodium salts (n=1) | Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C10-16-alkyl ethers, sodium salts (n=1)/Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C12-14-alkyl ethers, sodium salts (n=1) | No | 68585-34-2 | 10 - 15 |
| Citric acid | Citric Acid | No | 77-92-9 | 5 - 10 |
| sodium chloride | sodium chloride | No | 7647-14-5 | 1 - 5 |
| Citrus Aurantium Dulcis Oil | Orange Oil, Expressed | No | 8008-57-9 | 0.5 - 1.5 |
| Limonene | D-Limonene (via naturals or synthesis) | No | 5989-27-5 | 0.5 - 1.5 |
| Ethyl Linalool | Ethyl Linalool | No | 10339-55-6 | 0.1 - 1.0 |
| Pentadecalactone | Pentadecalactone | No | 106-02-5 | 0.1 - 1.0 |
| Pentamethyl Octahydroindenodioxane | Indeno | No | 365411-50-3 | 0.1 - 1.0 |
| Tetramethyl Acetyloctahydronaphthalenes | Tetramethyl Acetyloctahydronaphthalenes | No | 54464-57-2 | 0.1 - 1.0 |
| Cyclamen Aldehyde | Cyclamen Aldehyde | No | 103-95-7 | 0.1 - 1.0 |
| CEDROL METHYL ETHER | Cedramber | No | 19870-74-7 | 0.1 - 1.0 |

Additional information

Actual substance concentrations fall within the ranges stated. Maximum values do not necessarily represent the values present in the formula.

4. FIRST AID MEASURES

Description of first aid measures

| | |
|---|--|
| Eye contact | IF IN EYES: 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. Immediately call a POISON CENTER or doctor/physician. |
| Skin contact | IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| Ingestion | IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Inhalation | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if exposed or you feel unwell. |
| Most important symptoms/effects, acute and delayed | Risk of serious damage to eyes May cause sensitization by skin contact |

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

| | |
|---|--|
| Suitable extinguishing media | Water. Dry chemical. Alcohol resistant foam. |
| Unsuitable Extinguishing Media | None. |
| Special Hazard | None known. |
| Special protective equipment for fire-fighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| Specific hazards arising from the chemical | None. |

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|--|---|
| Personal precautions | Wear protective gloves/protective clothing and eye/face protection. |
| Advice for emergency responders | Use personal protective equipment as required. |
| Environmental precautions | Should not be released into the environment |

Methods and material for containment and cleaning up

| | |
|--------------------------------|--|
| Methods for containment | Contain spill. The product should not be allowed to enter drains, water courses or the soil. |
| Methods for cleaning up | Clean up promptly by scoop or vacuum. Avoid dust formation. |

7. HANDLING AND STORAGE

Precautions for safe handling

| | |
|--------------------------------|---|
| Advice on safe handling | Clean up spill immediately. Do not allow to enter into surface water or drains. Empty containers should be taken for local recycling, recovery or waste disposal. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Use personal |
|--------------------------------|---|

protective equipment as required.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible products None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines No exposure limits noted for ingredient(s).

Appropriate engineering controls

Engineering Measures **Manufacturing Sites:**
Use with local exhaust ventilation

Personal Protective Equipment

Eye Protection **Manufacturing Sites:**
Wear eye/face protection
Distribution, Workplace and Household Settings:
Requires Eye Protection
Wear safety glasses with side shields (or goggles)

Hand Protection **Manufacturing Sites:**
Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion
Distribution, Workplace and Household Settings:
Protective gloves

Skin and Body Protection **Manufacturing Sites:**
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact
Distribution, Workplace and Household Settings:
No special protective equipment required
Wear suitable protective clothing

Respiratory Protection **Manufacturing Sites:**
Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Solid
Appearance white
Odor Pleasant (perfume)
Odor threshold No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks</u> |
|---|--------------------------|------------------|
| pH | 6.5 | (as 1% solution) |
| Melting point / freezing point | No information available | |
| Initial boiling point and boiling range | No information available | |
| Flash point | No information available | |
| Evaporation rate | No information available | |
| Flammability | No information available | |

| | |
|--|--------------------------|
| Flammability Limit in Air | |
| Upper flammability or explosive limits | No information available |
| Lower flammability or explosive limits | No information available |
| Vapor pressure | No information available |
| Relative vapor density | No information available |
| Relative density | No information available |
| Water solubility | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Viscosity | No information available |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity | Reacts with (some) acids/bases: release of (highly) toxic gases/vapours. |
| Stability | Stable under normal conditions. |
| Hazardous polymerization | Hazardous polymerization does not occur. |
| Hazardous Reactions | None under normal processing. |
| Conditions to Avoid | None under normal processing. |
| Incompatible Materials | None in particular. |
| Hazardous decomposition products | None under normal use conditions. |

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | No known effect. |
| Skin contact | Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Symptoms may be delayed. Irritating to skin. |
| Ingestion | No known effect. |
| Eye contact | Risk of serious damage to eyes. Avoid contact with eyes. |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|--|
| Acute toxicity | No known effect. |
| Skin corrosion/irritation | Irritating to skin. |
| Serious eye damage/eye irritation | Risk of serious damage to eyes. |
| Skin sensitization | May cause sensitization by skin contact. |
| Respiratory sensitization | No known effect. |
| Germ cell mutagenicity | No known effect. |
| Reproductive toxicity | No known effect. |
| Developmental toxicity | No known effect. |
| STOT - single exposure | No known effect. |
| STOT - repeated exposure | No known effect. |
| Aspiration hazard | No known effect. |
| Carcinogenicity | No known effect. |

Component Information

| Chemical name | CAS No | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------|-----------|--------------------------|------------------|-----------------|
| Citric acid | 77-92-9 | 5400 mg/kg bw (OECD 401) | > 2000 mg/kg bw | - |
| sodium chloride | 7647-14-5 | 3550 mg/kg bw | > 10000 mg/kg bw | > 42 mg/L air |

| | | | | |
|--|-------------|------------------|----------------------|---------------|
| Citrus Aurantium Dulcis Oil | 8008-57-9 | 5001 mg/kg (rat) | 5001 mg/kg (rat) | - |
| Limonene | 5989-27-5 | 5001 mg/kg (rat) | 5001 mg/kg (rabbit) | - |
| Ethyl Linalool | 10339-55-6 | 5283 mg/kg (rat) | 5001 mg/kg (rabbit) | 21 mg/l (rat) |
| Pentadecalactone | 106-02-5 | 5001 mg/kg (rat) | 5001 mg/kg (rat) | // |
| Pentamethyl Octahydroindenodioxane | 365411-50-3 | - | > 2000 mg/kg (Rat) | - |
| Tetramethyl Acetyloctahydronaphthalenes | 54464-57-2 | // | // | // |
| CEDROL METHYL ETHER | 19870-74-7 | 5001 mg/kg (rat) | 5001 mg/kg (rabbit) | - |
| Cyclamen Aldehyde | 103-95-7 | 4999 mg/kg (rat) | 5001 mg/kg (rat) | - |

12. ECOLOGICAL INFORMATION

ecotoxicity

| | |
|--------------------------------------|---------------------------|
| Persistence and degradability | No information available. |
| Bioaccumulative potential | No information available. |
| Mobility | No information available. |
| Other adverse effects | No information available. |

13. DISPOSAL CONSIDERATIONS

Disposal methods

| | |
|---|---|
| Waste from Residues/Unused Products | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated packaging | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| California Hazardous Waste Codes (non-household setting) | 561 |

14. TRANSPORT INFORMATION

| | |
|--------------------|---------------|
| <u>DOT</u> | Not regulated |
| <u>IMDG</u> | Not regulated |
| <u>IATA</u> | Not regulated |

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substance(s) which are either listed as hazardous air pollutants (HAPS) or VOC's per the Clean Air Act:

| Chemical name | Volatile organic compounds |
|-----------------|----------------------------|
| Sodium Benzoate | Present |
| Methanol | Present |
| Methyl acetate | Present |
| Sodium Acetate | Present |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. State Regulations (RTK)

This product does not contain any substances regulated by state right-to-know regulations.

California Proposition 65

This product contains the following Proposition 65 chemicals:

| Chemical name | CAS No | California Prop. 65 |
|---------------|---------|---------------------|
| Methanol | 67-56-1 | Developmental |

International Inventories

Precautionary Statements - Storage

Store in well-ventilated place

United States

All intentionally-added components of this product(s) are listed on the US TSCA Inventory

Canada

This product is in compliance with CEPA for import by P&G

Legend

United States Toxic Substances Control Act Section 8(b) Inventory (TSCA)

CEPA - Canadian Environmental Protection Act

16. OTHER INFORMATION

HMIS

NFPA

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Disclaimer.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet