

SAFETY DATA SHEET



Issuing Date: 08-Nov-2022

Revision Date: 08-Nov-2022

Revision Number 1

1. IDENTIFICATION

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

Issuing Date: 08-Nov-2022

Revision Date: 08-Nov-2022

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