SAFETY DATA SHEET

1. Identification

Product Identifier	**Apple Hair and Body Shampoo**	
Other means of identification		
Product code	CU-4200	
Recommended use	Hair and body shampoo.	
Recommended restrictions	None.	
Manufacturer/supplier/distributor/importer information		
Company name	Chemical Universe, Inc.	
Address	1133 Saline Street. North Kansas City, MO 64116	
Telephone	(816) 471-3602	
Fax	(816) 474-3302	
Emergency phone number	PERS	(800) 633-8253
	24-hour Emergency	(800) 633-8253

2. Hazard(s) Identification

Physical hazards	Not classified.	
Health hazards	Eye irritant	Category 2B
Environmental hazards	Not classified	
OSHA defined hazards	Not listed.	
Label elements	None	
Signal word	**WARNING**	
Hazard statement	Causes eye irritation.	
Precautionary statement		
Prevention	Wash hands thoroughly after handling	
Response	**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.	
Storage	No prescriptive instruction	
Disposal	No prescriptive instruction	
Hazard(s) not otherwise classified (HNOC)	None	
Supplemental information	None	

3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	**CAS number**	**%**
Sodium lauryl ether sulfate	68585-34-2	3-10
Cocamidopropyl betaine	61789-40-0	1-5
Other components below reportable levels		85-95

4. First-aid measures

Inhalation	Move to fresh air if irritated.
Skin contact	Rinse with water.

Eye contact	Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Dermatitis. Rash. May cause an allergic skin reaction.
Indication of immediate medical attention and special treatment needed	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Hand washing liquid is generally non-toxic. It is meant to be in direct contact with skin.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2)
Unsuitable extinguishing media	None known
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment and clothing during clean-up. Wear eye or face protection.
Methods and materials for containment and cleaning up	Caution – spillages may be slippery Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Small spills: Wipe up with absorbent material (e.g. cloth, absorbent wipes). Clean surface thoroughly to remove residual contamination. Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into surface waterways and other areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling	Avoid contact with eyes. Avoid prolonged exposure to damaged skin. Observe good industrial/personal hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Do not store in extreme conditions.

8. Exposure controls/personal protection

Occupational exposure limits
None

Biological limit values
None

Appropriate engineering controls	Emergency eye wash stations should be readily accessible when working with concentrated product
Individual protection measures, such as personal protective equipment	
Eye/face protection	Avoid contact with eyes.
Skin protection	
Hand protection	None.
Other	None.
Respiratory protection	Respiratory protection not required.
Thermal hazards	None.
General hygiene considerations	None.

9. Physical and chemical properties

Appearance	
Physical State	Viscous liquid.
Color	Pearl green.
Odor	Apple blossom/floral
Odor threshold	Not available.
pH	6-7.
Melting/freezing point	Not available.
Initial boiling point and boiling range	>212°F (100°C)
Flash point	>385°F (196°C)
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available.
Lower	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity (water=1)	1.02
Solubility in water	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Decomposes on heating.
Viscosity	Not available.

10. Stability and reactivity

Reactivity	This product is stable and non-reactive under normal conditions of use.

Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames can cause product to decompose.
Incompatible materials	None.
Hazardous decomposition products	Carbon dioxide, carbon monoxide.

11. Toxicological information

Information on likely routes of exposure	
Ingestion	Expected to be a low ingestion hazard.
Inhalation	Expected to be a low inhalation hazard.
Skin contact	Prolonged skin contact may cause slight irritation.
Eye contact	Repeated and/or prolonged eye contact may cause slight irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Dermatitis. Rash. May cause an allergic skin reaction in susceptible individuals.
Acute toxicity	Not established.

Product Apple Hair and Body Shampoo (CAS mixture)		
Exposure Classification	**Route and Species**	**LD_{50} /LC_{50}**
Acute	*Oral*, rat	>5,000 mg/kg (estimated)
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation	Not classified.
Serious eye damage/ irritation	May cause mild eye irritation.
Respiratory sensitization	Not classified.
Skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not considered a carcinogen.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not Listed
Reproductive toxicity	Not classified.
Specific target organ toxicity – single exposure	Not classified.
Specific target organ toxicity – repeated exposure	Not classified.
Aspiration hazard	Not considered an aspiration hazard.

12. Ecological information

Ecotoxicity
No information provided in literature for this, or similar products. Constituents are expected to exhibit low toxicity to open aquatic systems

Persistence and degradability	Not expected to persist in an oxic environmental compartment. Alcohol ethoxylates are readily degraded in the environment.
Bioaccumulative potential	Potential to bioaccumulate is low.
Mobility in soil	Not available. Chemicals of this class are expected to exhibit high mobility in saturated and semi-saturated soils
Other adverse effects	Not available.

13. Disposal considerations

Disposal instructions	Dispose of in accordance with local regulations.
Local disposal regulations	None.
Waste from residues/unused product	Dispose of un-used product and solid residues in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (see: Disposal instructions). This product is not classified as a RCRA hazardous waste when disposed (40 CFR Part 261 Subpart C)
Contaminated packaging	Empty containers should be rinsed with water and recycled where practicable.

14. Transport information

USDOT Not regulated as dangerous goods.

15. Regulatory information

US federal regulations .

SARA 302 Extremely hazardous substance Not listed

SARA 304 Emergency release notification Not listed.

SARA 311/312 Hazard Categories

Immediate Hazard - No

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

SARA 313 (TRI reporting)

Not listed.

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (1/2019)

16. Other information, including date of preparation or last revision

Issue date	12/30/2014
Revision date	4/11/2018, 5/7/2019
Version #	2
HMIS® ratings	Health: 0 Flammability: 0 Physical hazard: 0

NFPA ratings

Health: 0
Flammability: 0
Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. 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 related 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 by the text.

Revision information

General format update; Refine composition table, amend physical data; Update toxicology thresholds and environmental fate information; Text clarification amendments Sections 5,6,8,9 and 12. PPE recommendation updated; California Proposition 65 notice; HMIS and NFPA pictograms added.