SAFETY DATA SHEET

1. Identification

Product identifier:	Bark to Basics H & A Shampoo	
Other means of identification:	Surfactant Blend	
Recommended use	Bathing digs	
Recommended restrictions	None known.	
Manufacturer:		
Company name	Senproco	
Address	4401 N Northview Ave	
	Sioux Falls, SD 57107	
Web Address:	www.senproco.com	
Telephone	1-605-373-0785	(8 AM to 5 PM Eastern)
E-mail	sales@senproco.com	
Emergency phone number	1-888-364-6242	

2. Hazard(s) identification

Label elements

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
OSHA defined hazards	Not classified.	



Signal word	Warning	
Hazard statement	Causes skin irritation. Causes serious eye irrit	tation.
Precautionary statement		
Prevention	Wash thoroughly after handling. Wear protect	ive gloves. Wear eye/face protection.
Response		
Storage	Store away from incompatible materials.	
Disposal	Dispose of contents/container in accordance v	with local/regional/national/international regulations.
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 3
Hazard(s) not otherwise classified (HNOC)	Toxic to aquatic life. Harmful to aquatic life wit	h long lasting effects.

3. Composition/information on ingredients

First-aid measureshalationMove to fresh air. Call a physician if symptoms develop or persist.kin contactRemove contaminated clothing. Wash with plenty of soap and water. If skin irritation occu medical advice/attention. Wash contaminated clothing before reuse.ye contactImmediately flush eyes with plenty of water for at least 15 minutes. Remove contact lense present and easy to do. Continue rinsing. Get medical attention if irritation develops and pgestionRinse mouth. Get medical attention if symptoms occur.ost important mytoms/effects, acute and elayedSevere eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blur vision. Skin irritation. May cause redness and pain.elayedProvide general supportive measures and treat symptomatically. Keep victim under obser Symptoms may be delayed.eneral informationEnsure that medical personnel are aware of the material(s) involved, and take precautions protect themselves Fire-fighting measures uitable extinguishing media e chemical pecific hazards arising from e chemical pecific hazards arising from pecific notective equipment non-combustible.During fire, gases hazardous to health may be formed. e chemical pecific nettodsNone (non-combustible). Move containers from fire area if you can do so without risk.pecific methodsUse standard firefighting procedures and consider the hazards of other involved materials	Chemical name	Common name and synonyms	CAS number	%
omposition commentsOccupational Exposure Limits for impurities are listed in Section 8. Additional compounds may be formed during processing are listed in Section 8 First-aid measuresMove to fresh air. Call a physician if symptoms develop or persist. Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occu medical advice/attention. Wash contaminated clothing before reuse.ye contactImmediately flush eyes with plenty of water for at least 15 minutes. Remove contact lense present and easy to do. Continue rinsing. Get medical attention if irritation develops and p Rinse mouth. Get medical attention if symptoms occur.ost important mptoms/effects, acute and alayedSevere eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurn vision. Skin irritation. May cause redness and treat symptomatically. Keep victim under obser Symptoms may be delayed.eneral information edical attention and special eatment neededNot applicable, non-combustible. Do not use water jet as an extinguishing edia non-combustible.bitable extinguishing edia pecific hazards arising from e chemical pecial protective equipment uppecial protective equipment pecial protective equipment papecific methodsNot applicable, non-combustible. During fire, gases hazardous to health may be formed.wore constructionsDuring fire, gases hazardous to health may be formed.wore constructionsWore containers from fire area if you can do so without risk.			68585-34-2	<10
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nd precautions for firefighters refighting Move containers from fire area if you can do so without risk. quipment/instructions Move containers from fire area if you can do so without risk. pecific methods Use standard firefighting procedures and consider the hazards of other involved materials	Specific hazards arising from the chemical	During fire, gases hazardous to health may be fo	rmed.	
quipment/instructions pecific methods Use standard firefighting procedures and consider the hazards of other involved materials	Special protective equipment and precautions for firefighters	None (non-combustible).		
	Firefighting equipment/instructions	Move containers from fire area if you can do so v	vithout risk.	
eneral fire hazards No unusual fire or explosion hazards noted.	Specific methods		er the hazards of other inv	olved materials.
	General fire hazards	No unusual fire or explosion hazards noted.		

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for	This product is miscible in water.
containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoro ughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.
7. Handling and storage	
Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

	-
Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
Individual protection measures,	such as personal protective equipment
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Use protective gloves made of: Nitrile. Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC). Butyl rubber. Viton rubber (fluorinated rubber). Suitable gloves can be recommended by the glove supplier.
Other	Wear appropriate chemical resistant clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Clear/Straw
Odor	Almond
Odor threshold	Not available.
рН	6.5 - 8.5 (10% water solution)
Melting point/freezing point	Zero C.
Initial boiling point and boiling range	212 °F (100 °C)
Flash point Evaporation rate	Small Scale Closed Cup. No flash to boiling Not available.
Flammability (solid, gas)	Not applicable.

Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Miscible
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Other information
Density	8.5 lbs/gallon
Molecular weight	N/A
Specific gravity	1.05
VOC (Weight %)	Zero
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.
11. Toxicological information	tion
Information on likely routes of e	
Inhalation	No adverse effects due to inhalation are expected.
Skin contact	Causes skin irritation.

Innalation	No adverse enects due to initialation are expected.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

 Acute toxicity
 Species
 Test Results

 Components
 Species
 Test Results

 Alpha-sulfo-omega-hydroxypoly (oxy-1,2-ethanidiyl) C10-16 Alkyl Ethers, Sodium Salts (CAS 68585-34-2)

	,,,,,,,,
Rat	> 2000 mg/kg

Oral
LD50

Skin corrosion/irritation	Causes skin i	rritation.		
Serious eye damage/eye irritation	Causes serio	us eye irritation.		
Respiratory or skin sensitization	n			
Respiratory sensitization	Not a respirat	tory sensitizer.		
Skin sensitization	This product i	This product is not expected to cause skin sensitization.		
Germ cell mutagenicity		No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	This product i	s not considered to be a carcinogen by IA	RC, ACGIH, NTP, or OSHA.	
OSHA Specifically Regulated Se	ubstances (29 C	CFR 1910.1001-1050)		
Not listed.				
Reproductive toxicity	This product i	s not expected to cause reproductive or d	evelopmental effects.	
Specific target organ toxicity - single exposure	Not classified	1.		
Specific target organ toxicity - repeated exposure	Not classified	1.		
Aspiration hazard	Not an aspira	tion hazard.		
Aspiration hazard 12. Ecological information		tion hazard.		
-	n	tion hazard. tic life. Harmful to aquatic life with long las	sting effects.	
12. Ecological information	n		sting effects. Test Results	
12. Ecological information Ecotoxicity Components	n Toxic to aqua	tic life. Harmful to aquatic life with long las	Test Results	
12. Ecological information Ecotoxicity Components Alpha-sulfo-omega-hydroxyp Aquatic	n Toxic to aqua	tic life. Harmful to aquatic life with long las Species	Test Results	
12. Ecological information Ecotoxicity Components Alpha-sulfo-omega-hydroxyp Aquatic Acute	n Toxic to aqua poly (oxy-1,2-etha	tic life. Harmful to aquatic life with long las Species anidiyl) C10-16 Alkyl Ethers, Sodium Salts	Test Results (CAS 68585-34-2)	
12. Ecological information Ecotoxicity Components Alpha-sulfo-omega-hydroxyp Aquatic Acute Algae	n Toxic to aqua poly (oxy-1,2-etha EC50	tic life. Harmful to aquatic life with long las Species anidiyl) C10-16 Alkyl Ethers, Sodium Salts Algae	Test Results (CAS 68585-34-2) 27 mg/l, 72 h	
12. Ecological information Ecotoxicity Components Alpha-sulfo-omega-hydroxyp Aquatic Acute Algae Crustacea	n Toxic to aqua poly (oxy-1,2-etha EC50 EC50	ttic life. Harmful to aquatic life with long las Species anidiyl) C10-16 Alkyl Ethers, Sodium Salts Algae Daphnia	Test Results 5 (CAS 68585-34-2) 27 mg/l, 72 h 7.2 mg/l, 48 h	
12. Ecological information Ecotoxicity Components Alpha-sulfo-omega-hydroxyp Aquatic Acute Algae Crustacea Fish	n Toxic to aqua poly (oxy-1,2-etha EC50 EC50	ttic life. Harmful to aquatic life with long las Species anidiyl) C10-16 Alkyl Ethers, Sodium Salts Algae Daphnia	Test Results 5 (CAS 68585-34-2) 27 mg/l, 72 h 7.2 mg/l, 48 h	

Persistence and degradability	This product is expected to be readily biodegradable.
Bio accumulative potential	
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of 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).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not established. Annex II of MARPOL 73/78 and the IBC Code

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification Not regulated. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - Yes **Delayed Hazard - No** Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No SARA 302 Extremely hazardous substance Not listed. SARA 311/312 Hazardous No chemical SARA 313 (TRI reporting) Not regulated. Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Safe Drinking Water Act Not regulated. (SDWA)

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed.

US. New Jersey Worker and Community Right-to-Know Act Not listed.

US. Rhode Island RTK

Not regulated.

International Inventories

Country(s) or region	Inventory name On invent	tory (yes/no)*	
Australia	Australian Inventory of Chemical Substances (AICS)	Yes	
Canada	Domestic Substances List (DSL)	Yes	
Canada	Non-Domestic Substances List (NDSL)	No	
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes	
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes	
Europe	European List of Notified Chemical Substances (ELINCS)	No	
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes	
Korea	Existing Chemicals List (ECL)	Yes	
New Zealand	New Zealand Inventory	Yes	
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes	
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes	
*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)			

A "No" in dicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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

Issue date	09-14-2015
Revision date	11/20/2019

NFPA ratings	Health 1: Flammability 0:1 Reactivity: 0
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.
Revision Information	Physical & Chemical Properties: Multiple Properties Ecological information: Persistence / degradability Regulatory Information: United States Material Attributes & Uses; Experimental Data: Experimental Data REACH: Registration Substance