

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/09/2019

Reviewed on 04/09/2019

### 1 Identification

- **Product Identifier**
- **Trade Name: Artificial Apocrine Perspiration**
- **Product Number:** 1700-0556
- **Relevant identified uses of the substance or mixture and uses advised against:**  
No further relevant information available.
- **Product Description:** Artificial Apocrine Perspiration
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
Pickering Laboratories, Inc.  
1280 Space Park Way  
Mountain View, CA 94043  
Phone: (650) 694-6700  
Fax: (650) 968-0749  
www.pickeringlabs.com  
support@pickeringlabs.com
- **Emergency telephone number:**  
Clean Harbors Environmental Services  
1-800-645-8265

### 2 Hazard(s) Identification

- **Classification of the substance or mixture:**  
The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.
- **Label elements:**
- **Hazard pictograms:** Non-Regulated Material
- **Signal word:** Non-Regulated Material
- **Hazard statements:** Non-Regulated Material
- **Unknown acute toxicity:**  
This value refers to knowledge of known, established toxicological or ecotoxicological values.  
4 % of the mixture consists of component(s) of unknown toxicity.
- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

- **Hazard(s) not otherwise classified (HNOC):** None

### 3 Composition/Information on Ingredients

- **Non-hazardous components:**

CAS: 7732-18-5	Water, distilled water, deionized water	60-90%
CAS: 57-10-3 RTECS: RT 4550000	Palmitic acid	<1.0%

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CAS: 8001-25-0 RTECS: RK 4300000	Virgin Olive oil	<1.0%
CAS: 111-02-4 RTECS: XB6010000	2,6,10,15,19,23-hexamethyltetracos-2,6,10,14,18,22-hexaene	<0.5%
CAS: 60-33-3 RTECS: RF 9990000	linoleic acid, pure	<0.5%
CAS: 57-88-5 RTECS: FZ 8400000	Cholesterol	<0.5%
CAS: 7647-14-5 RTECS: VZ4725000	Sodium Chloride	<0.5%
CAS: 56-86-0	glutamic acid	<0.5%

· **Chemical characterization: Mixtures**

· **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous Components:**

CAS: 57-11-4 RTECS: WI 2800000	Stearic Acid, pure ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	<1.0%
CAS: 112-80-1 RTECS: RG 2275000	oleic acid, pure ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	<1.0%
CAS: 8002-74-2 RTECS: RV 0350000	Paraffin Waxes	<1.0%
CAS: 102-71-6	Triethanolamine ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320	<1.0%
CAS: 57-13-6 RTECS: YR 6250000	Urea	<0.5%
CAS: 10326-41-7	lactic acid ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320	<0.5%
CAS: 8001-31-8 RTECS: GG6040000	Fractionated Coconut Oil (Caprylic/Capric Triglycerides)	<1.0%

· **Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets. Contains trace amounts of a variety of amino acids and minerals.

### 4 First-Aid Measures

· **Description of first aid measures**

· **General information:** No special measures required.

· **After inhalation:** Not anticipated under normal use.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

· **After swallowing:**

Rinse mouth with water ensuring that rinse is not swallowed. Drink 2 glasses of water to dilute and induce vomiting by touching finger to the back of the victims throat. Get medical assistance immediately.

· **Information for doctor**

· **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

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### 5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Special protective equipment for firefighters:**  
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the collected material according to regulations.
- **Reference to other sections:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

57-11-4	Stearic Acid, pure	14 mg/m <sup>3</sup>
112-80-1	oleic acid, pure	220 mg/m <sup>3</sup>
111-02-4	2,6,10,15,19,23-hexamethyltetracos-2,6,10,14,18,22-hexaene	8.2 mg/m <sup>3</sup>
102-71-6	Triethanolamine	15 mg/m <sup>3</sup>
57-13-6	Urea	30 mg/m <sup>3</sup>
57-10-3	Palmitic acid	0.19 mg/m <sup>3</sup>

· **PAC-2:**

57-11-4	Stearic Acid, pure	150 mg/m <sup>3</sup>
112-80-1	oleic acid, pure	2,400 mg/m <sup>3</sup>
111-02-4	2,6,10,15,19,23-hexamethyltetracos-2,6,10,14,18,22-hexaene	90 mg/m <sup>3</sup>
102-71-6	Triethanolamine	240 mg/m <sup>3</sup>
57-13-6	Urea	280 mg/m <sup>3</sup>
57-10-3	Palmitic acid	2.1 mg/m <sup>3</sup>

· **PAC-3:**

57-11-4	Stearic Acid, pure	910 mg/m <sup>3</sup>
112-80-1	oleic acid, pure	15,000 mg/m <sup>3</sup>
111-02-4	2,6,10,15,19,23-hexamethyltetracos-2,6,10,14,18,22-hexaene	540 mg/m <sup>3</sup>
102-71-6	Triethanolamine	1,500 mg/m <sup>3</sup>
57-13-6	Urea	1,700 mg/m <sup>3</sup>

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57-10-3	Palmitic acid	12 mg/m <sup>3</sup>
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### 7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**  
 Ensure good ventilation/exhaustion at the workplace.  
 Avoid contact with skin, eyes and clothing  
 Avoid breathing fumes.  
 Use personal protection equipment as outlined in section 8.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store refrigerated
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

### 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**  
 The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
 At this time, the other constituents have no known exposure limits.

<b>8002-74-2 Paraffin Waxes</b>	
REL	Long-term value: 2 mg/m <sup>3</sup>
TLV	Long-term value: 2 mg/m <sup>3</sup>
<b>102-71-6 Triethanolamine</b>	
TLV	Long-term value: 5 mg/m <sup>3</sup>
<b>57-13-6 Urea</b>	
WEEL	Long-term value: 10 mg/m <sup>3</sup>
<b>8001-31-8 Fractionated Coconut Oil (Caprylic/Capric Triglycerides)</b>	
TWA	Long-term value: 5

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**  
 Use adequate exhaust ventilation to prevent inhalation of product vapors.  
 Do not eat or drink while handling product.  
 Avoid contact with the eyes and skin.  
 Wash hands before breaks and at the end of work.  
 Immediately remove all soiled and contaminated clothing.
- **Breathing equipment:**  
 Respiratory protection is not required unless handling of the material produces nuisance airborne concentrations.

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· **Protection of hands:**



Protective gloves

· **Material of gloves:** Latex or vinyl

· **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Lab coat

· **Limitation and supervision of exposure into the environment:** None

## \* 9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Liquid

Color:

Milky-White

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined.

· **pH-value:**

Not applicable.

· **Change in condition**

Melting point/Melting range:

Not determined.

Boiling point/Boiling range:

Not determined.

· **Flash point:**

None

· **Flammability (solid, gaseous):**

Not applicable.

· **Ignition temperature:**

Not applicable

· **Decomposition temperature:**

Not determined.

· **Auto igniting:**

Product is not self-igniting.

· **Danger of explosion:**

Product does not present an explosion hazard.

· **Explosion limits:**

Lower:

Not determined.

Upper:

Not determined.

· **Vapor pressure:**

Not determined.

· **Density:**

Relative density:

Not determined.

Vapor density:

Not determined.

Evaporation rate:

Not determined.

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- **Solubility in / Miscibility with:**
  - Water:** Aqueous solution
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Other information:** No further relevant information available.

### 10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

· <b>LD/LC50 values that are relevant for classification:</b>		
<b>57-11-4 Stearic Acid, pure</b>		
Dermal	LD50	>5,000 mg/kg (Rabbit)
<b>112-80-1 oleic acid, pure</b>		
Oral	LD50	74,000 mg/kg (Rat)
<b>8002-74-2 Paraffin Waxes</b>		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
Inhalative	LC50/96 hours	>100 mg/l (Trout)
<b>102-71-6 Triethanolamine</b>		
Oral	LD50	5,530 mg/kg (Rat)
		2,200 mg/kg (Rabbit)
		2,200 ml/kg (Guinea Pig)
Dermal	LD50	5,846 ml/kg (Mouse)
		>22,500 mg/kg (Rabbit)
<b>57-13-6 Urea</b>		
Oral	LD50	8,471 mg/kg (Rat)
<b>8001-31-8 Fractionated Coconut Oil (Caprylic/Capric Triglycerides)</b>		
Oral	LD50	>5,000 mg/kg (Rat)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.

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· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories:**

· **IARC (International Agency for Research on Cancer):**

- Group 1 - Carcinogenic to humans
- Group 2A - Probably carcinogenic to humans
- Group 2B - Possibly carcinogenic to humans
- Group 3 - Not classifiable as to its carcinogenicity to humans
- Group 4 - Probably not carcinogenic to humans

57-88-5	Cholesterol	3
102-71-6	Triethanolamine	3

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**12 Ecological Information**

· **Toxicity:**

· **Aquatic toxicity:**

**8002-74-2 Paraffin Waxes**

EC50 >10,000 mg/l (Daphnia)

**102-71-6 Triethanolamine**

EC50 609.98 mg/l (Daphnia)

**57-13-6 Urea**

EC50 >10,000 mg/l (Daphnia)

· **Persistence and degradability:** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential:** No further relevant information available.

· **Mobility in soil:** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Generally not hazardous for water.

· **Results of PBT and vPvB assessment:**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects:** No further relevant information available.

**13 Disposal Considerations**

· **Waste treatment methods**

· **Recommendation:**

This product may be mixed with a combustible solvent and burned in a chemical incinerator equipped with an after burner and scrubber. This product can also be sent to an EPA approved waste disposal facility.

· **Uncleaned packaging**

· **Recommendation:** Disposal must be made according to official regulations.

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### 14 Transport Information

- **UN-Number:**  
· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material
- **UN proper shipping name:**  
· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material
- **Transport hazard class(es):**  
· DOT, ADR/ADN, ADN, IMDG, IATA Non-Regulated Material
- **Class:** Non-Regulated Material
- **Packing group:**  
· DOT, ADR/ADN, IMDG, IATA Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

### 15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

57-11-4	Stearic Acid, pure	ACTIVE
112-80-1	oleic acid, pure	ACTIVE
60-33-3	linoleic acid, pure	ACTIVE
8002-74-2	Paraffin Waxes	ACTIVE
111-02-4	2,6,10,15,19,23-hexamethyltetracosane	ACTIVE
57-88-5	Cholesterol	ACTIVE
102-71-6	Triethanolamine	ACTIVE
7647-14-5	Sodium Chloride	ACTIVE
57-13-6	Urea	ACTIVE
56-86-0	glutamic acid	ACTIVE
10326-41-7	lactic acid	ACTIVE
57-10-3	Palmitic acid	ACTIVE
8001-31-8	Fractionated Coconut Oil (Caprylic/Capric Triglycerides)	ACTIVE
8001-25-0	Virgin Olive oil	ACTIVE
7732-18-5	Water, distilled water, deionized water	ACTIVE

· **Hazardous Air Pollutants**

None of the ingredients are listed.

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· **California Proposition 65:**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **New Jersey Right-to-Know List:**

8002-74-2 Paraffin Waxes

102-71-6 Triethanolamine

· **New Jersey Special Hazardous Substance List:**

None of the ingredients are listed.

· **Pennsylvania Right-to-Know List:**

112-80-1 oleic acid, pure

8002-74-2 Paraffin Waxes

102-71-6 Triethanolamine

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

57-13-6 Urea

II

· **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **GHS label elements** Non-Regulated Material

· **Hazard pictograms:** Non-Regulated Material

· **Signal word:** Non-Regulated Material

· **Hazard statements:** Non-Regulated Material

· **National regulations:**

None of the ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of last revision/ revision number:** 04/09/2019 / 4

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

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DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety and Health  
OSHA: Occupational Safety & Health Administration  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· \* **Data compared to the previous version altered.**

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