

## 1. IDENTIFICATION


**Product Name:** Exotherm  
**Product Identification:** Sukésa Exotherm Permanent Wave  
**Recommended use:** Personal beauty care product  
**Restrictions on Use:** For professional use only  
**Manufacturer:** Chuckles, Inc.  
 11925 South Willow St  
 Manchester, NH 03103  
**Emergency phone number:** (603) 669-4228  
**Transportation emergency:** (603) 669-4228  
**Product Type:** Liquid

## 2. HAZARDS IDENTIFICATION

**Emergency overview:** This product is not expected to produce significant adverse health effects when the recommended instructions are followed.

**Classification:** Irritant: Eye, Skin  
 Signal Word: Warning  
 Symbol: N/A

**GHS label elements:**



**Health Hazards:** This product is harmful if swallowed, inhaled, or absorbed through the skin. Risk of serious damage to eyes. Product may cause serious irritation, respiratory, and/or allergic reactions.

**Principal Routes of Exposure:** Eye contact. Inhalation. Skin contact. Ingestion.

**OSHA / HCS Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Component 1 – Activator:

Component	CAS Number	%
Hydrogen Peroxide	7722-84-1	1-10

### Component 2 – Waving Lotion:

Component	CAS Number	%
Ammonium Thioglycolate	5421-46-5	2-20
Ammonium Hydroxide	1336-21-6	1-15
Ammonium Carbonate	10361-29-2	0.1 -5.0

### Component 3 – Neutralizer:

Component	CAS Number	%
Hydrogen Peroxide	7722-84-1	1-10

## 4. FIRST AID MEASURES

**Eye Contact:** Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get immediate medical attention.

**General:**

- Skin contact:** Wash contaminated skin gently and thoroughly with running water and non-abrasive soap. If on clothes, remove clothes. Get medical attention if adverse health effects persist or are severe.
- Inhalation:** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Ensure sufficient ventilation during and after use, in order to prevent vapor accumulation. Seek immediate medical attention.
- Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention.

**Notes to physician:** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- Flammability of the product:** None identified.
- Extinguishing Media:** Extinguish fire using an agent suitable for the surrounding fire.
- Special Exposure Hazards:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special fire-fighting procedures:** None.
- Hazardous thermal decomposition products:** Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide
- Special protective equipment for firefighters :** Firefighters should wear appropriate protective clothing and self-contained breathing apparatus (SCBA) with a full face piece operated in positive pressure mode.

### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Wear suitable protective clothing, gloves and eye/face protection.
- Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Not expected to produce significant adverse health effects when the recommended instructions for use are followed.
- Methods for cleaning up:** Wash with plenty of soap and water Use a water rinse for final clean up.

### 7. HANDLING AND STORAGE

- Handling:** Avoid contact with skin and eyes. May cause blindness or permanent damage to eyes. If contact occurs flush with plenty of cold water and obtain immediate medical attention. Use extreme caution and always wear gloves and goggles while handling this product.
- Storage:** Store in cool place. Avoid heat and direct sunlight. Keep out of reach of children.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:**

**United States:**

Ingredient	Exposure Limits
Hydrogen Peroxide	<p><b>ACGIH TLV (United States, 3/2012).</b> TWA: 1 ppm 8 hour(s). TWA: 1.4 mg/m<sup>3</sup> 8 hour(s).</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 1 ppm 8 hour(s). TWA: 1.4 mg/m<sup>3</sup> 8 hour(s)</p> <p><b>NIOSH REL (United States, 6/2009).</b> TWA: 1 ppm 10 hour(s). TWA: 1.4 mg/m<sup>3</sup> 10 hour(s)</p> <p><b>OSHA PEL (United States, 6/2010).</b> TWA: 1 ppm 8 hour(s) TWA: 1.4 mg/m<sup>3</sup> 8 hour(s).</p>

**Canada:**

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			Notations
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other				
Hydrogen Peroxide	US ACGIH 3/2012	1	1.4	-	-	-	-	-	-	-	(3)
	AB 4/2009	1	1.4	-	-	-	-	-	-	-	
	BC 9/2011	1	-	-	-	-	-	-	-	-	
	ON 7/2010	1	1.4	-	-	-	-	-	-	-	
	QC 9/2011	1	1.4	-	-	-	-	-	-	-	

(3) Skin sensitization

**Mexico:**

Occupational exposure limits	
Ingredient	Exposure limits
Hydrogen Peroxide	<b>NOM-010-STPS (Mexico, 9/2000).</b> LMPE-PPT: 1 ppm 8 hour(s). LMPE-PPT: 1.5 mg/m <sup>3</sup> 8 hour(s). LMPE-CT: 3 mg/m <sup>3</sup> 15 minute(s). LMPE-CT: 2 ppm 15 minute(s).

Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures:** If this product contains ingredients with exposure limits, personal workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hygiene measures:** When using do not eat, drink or smoke.

**Personal protection**

**Respiratory:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hands:** Wear suitable gloves.

**Eyes:** None

**Skin:** Wear suitable protective clothing.

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Other protection:** Not available

**9. PHYSICAL AND CHEMICAL PROPERTIES**

	Component 1 - Activator	Component 2 - Waving Lotion	Component 3 - Neutralizer
<b>Appearance:</b>	Viscous liquid	Clear water-like liquid	Semi-opaque flowable liquid
<b>Odor:</b>	Sulfur	Sulfur and Ammonia	Floral fragrance
<b>Odor Threshold:</b>	Not determined	Not determined	Not determined
<b>pH:</b>	N/A	9.10 – 11.0	2.5 – 3.5
<b>Melting point/Freezing point:</b>	100° C	100° C	222° F
<b>Initial Boiling Point-Boiling Range:</b>	Not determined	Not determined	Not determined
<b>Flash Point:</b>	300° F	300° F	N/A
<b>Evaporation Rate:</b>	N/A	N/A	N/A
<b>Flammability (solid, gas):</b>	N/A	N/A	N/A
<b>Upper/lower Flammability/explosive limits:</b>	N/A	N/A	N/A
<b>Vapor Pressure:</b>	N/A	N/A	N/A
<b>Relative Density:</b>	@ 70° F = 1	@ 70° F = 1.0112	@ 70° F = 1.011

<b>Solubility:</b>	Complete	Complete	Complete
<b>Partition coefficient: n-octanol/water:</b>	N/A	N/A	N/A
<b>Auto-ignition Temperature:</b>	N/A	N/A	N/A
<b>Decomposition Temperature:</b>	Not determined	Not determined	Not determined
<b>Viscosity:</b>	100 cps – 250 cps	100 cps – 250 cps	100 cps – 250 cps

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	None under normal use
<b>Chemical Stability:</b>	Stable under normal conditions of use
<b>Possibility of Hazardous Reactions:</b>	None under normal processing
<b>Conditions to Avoid (e.g., static discharge, shock or vibration):</b>	No specific data
<b>Incompatible Materials:</b>	Reducing agents, metals, combustible materials
<b>Hazardous Decomposition Products:</b>	Contaminated product generates oxygen gas, pressure build-up

## 11. TOXICOLOGICAL INFORMATION

<b>Likely route of exposure:</b>	Dermal, inhalation. Ingestion not likely
<b>Effects from short and long term exposure:</b>	No data available.
<b>Measure of toxicity:</b>	No data available.
<b>Chronic effects of exposure:</b>	No data available.

## 12. ECOLOGICAL INFORMATION

THE FOLLOWING DATA IN THIS SECTION IS SOURCED FROM PUBLICLY AVAILABLE DATABASES AND NOT THE REPRESENTATION OF ANY DATA COLLECTED BY CHUCKLES, INC.

**Ecotoxicity:** No known significant effects or critical hazards.

### United States

#### Aquatic Ecotoxicity

Product/ingredient name	Result	Species	Exposure
Hydrogen Peroxide	Acute EC50 1.2 mg/L Marine water	Algae – Dunaliella tertiolecta – Exponential growth phase	72 hours
	Acute EC50 5.38 mg/L Fresh water	Algae – Pseudokirchneriella subcapitata	96 hours
	Acute EC50 2320 ug/L Fresh water	Daphnia-Daphnia magna – Neonate - < 24 hours	48 hours
	Acute LC50 22ppm Fresh water	Fish – Oncorhynchus mykiss – Juvenile (Fledgling, Hatchling, Weanling)	96 hours

Conclusion/Summary: Not available

#### Persistence/degradability

Conclusion/Summary: Not available

### Canada

#### Aquatic Ecotoxicity

Product/ingredient name	Result	Species	Exposure
Hydrogen Peroxide	Acute EC50 1.2 mg/L Marine water	Algae – Dunaliella tertiolecta – Exponential growth phase	72 hours
	Acute EC50 5.38 mg/L Fresh water	Algae – Pseudokirchneriella subcapitata	96 hours

	Acute EC50 2320 ug/L Fresh water	Daphnia-Daphnia magna – Neonate - < 24 hours	48 hours
	Acute LC50 22ppm Fresh water	Fish – Oncorhynchus mykiss – Juvenile (Fledgling, Hatchling, Weanling)	96 hours

Conclusion/Summary: Not available

**Persistence/degradability**

Conclusion/Summary: Not available

**Mexico**

**Aquatic Ecotoxicity**

Product/ingredient name	Result	Species	Exposure
Hydrogen Peroxide	Acute EC50 1.2 mg/L Marine water	Algae – Dunaliella tertiolecta – Exponential growth phase	72 hours
	Acute EC50 5.38 mg/L Fresh water	Algae – Pseudokirchneriella subcapitata	96 hours
	Acute EC50 2320 ug/L Fresh water	Daphnia-Daphnia magna – Neonate - < 24 hours	48 hours
	Acute LC50 22ppm Fresh water	Fish – Oncorhynchus mykiss – Juvenile (Fledgling, Hatchling, Weanling)	96 hours

Conclusion/Summary: Not available

**Persistence/degradability**

Conclusion/Summary: Not available

### 13. DISPOSAL CONSIDERATIONS

**Waste disposal:** Dispose of according to all federal, state and local applicable regulations.

**Contaminated packaging:** Waste must be disposed of according to applicable regulations. This material and its container must be disposed of as hazardous waste.

**Waste residues information:** Not available.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees

### 14. TRANSPORT INFORMATION

**Dot Classification:** Not regulated.

**TDG Classification:** Not regulated.

**Mexico Classification:** Not regulated.

**ADR/RID Class:** Not regulated.

**IMDG Class:** Not regulated.

**IATA-DGR Class:** Not regulated.

### 15. REGULATORY INFORMATION

While the finished products is not considered to be hazardous as defined in 9 CFR 1910.1200(d) this Safety Data Sheet contains valuable information critical to the safe handling and proper use of the product.

**US Federal:** The product described in this Safety Data Sheet is regulated under the Federal Food Drug and Cosmetics Act and is safe to use as per directions on the container, box or accompanying literature (where applicable)

**United States**

**HCS Classification:** Toxic material  
Irritating material  
Target organ effects

**U.S. Federal regulations:** TSCA: Exempt

**SARA 302** This product does not contain any ingredients regulated under this list

**SARA 311** This product does not contain any ingredients regulated under this list

**SARA 313:** This product does not contain any ingredients regulated under this list

**Clean Air Act (CAA) 112** Not listed

**regulated toxic substances:****Clean Air Act Section 112(b)** Not listed**Hazardous Air Pollutants:****Clean Air Act Section 602** Not listed**Class I Substances:****Clean Air Act Section 602** Not listed**Class II Substances:****DEA List I Chemicals** Not listed**(Precursor Chemicals):****DEA List I Chemicals** Not listed**(Precursor Chemicals):****State regulations****Massachusetts:** The following components are listed: Hydrogen Peroxide**New York:** The following components are listed: Hydrogen Peroxide**New Jersey:** The following components are listed: Hydrogen Peroxide**Pennsylvania** The following components are listed: Hydrogen Peroxide**California Prop. 65**

CALIFORNIA PROPOSITION 65: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product is not known to the State of California to cause cancer.

**United States inventory** Not determined  
**(TSCA 8b):****Canada****WHMIS (Canada):** Class C: Oxidizing material.  
Class D-1B: Material causing immediate and serious toxic effects (Toxic).  
Class E: Corrosive material.**Canadian lists****Canadian NPRI:** None of the components are listed.**CEPA Toxic substances:** None of the components are listed.**Canada inventory:** Not determined

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Mexico****16. OTHER INFORMATION****Revision Date:** July 27, 2015**Prepared for:** Chuckles, Inc.

The information contained herein is, to the best of our knowledge and belief, accurate and reliable as of the date issued. We do not however, warrant or guarantee the accuracy or reliability, nor shall we be liable for any loss or damage arising out of the use thereof. The information is offered for the user's consideration and examination, and it is the user's responsibility to satisfy himself that it is suitable and complete for his/her particular use.