

1. IDENTIFICATION

Product Name: All-Nutrient Keratint 40 Volume Developer
Product Identification: All-Nutrient Keratint 40 Volume Developer
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: This is a personal care/cosmetic product that is safe for consumers and others under normal use.
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: Oxidizer, Irritant

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	%
Hydrogen Peroxide	7722-84-1	12.00

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 Firefighters should wear appropriate protective clothing and self-contained breathing apparatus (SCBA) with a

equipment for firefighters : 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>ACGIH TLV (United States, 3/2012). TWA:1 ppm 8 hour(s). TWA:1.4 mg/m³ 8 hour(s).</p> <p>OSHA PEL 1989 (United States, 3/1989). TWA: 1 ppm 8 hour(s). TWA:1.4 mg/m³ 8 hour(s)</p> <p>NIOSH REL (United States, 6/2009). TWA: 1 ppm 10 hour(s). TWA:1.4 mg/m³ 10 hour(s)</p> <p>OSHA PEL (United States, 6/2010). TWA: 1 ppm 8 hour(s) TWA: 1.4 mg/m³ 8 hour(s).</p>

Canada:

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			Notations
Ingredient	List name	ppm	mg/m ³	Other	ppm	mg/m ³	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	<p>NOM-010-STPS (Mexico, 9/2000). LMPE-PPT: 1 ppm 8 hour(s). LMPE-PPT: 1.5 mg/m³ 8 hour(s). LMPE-CT: 3 mg/m³ 15 minute(s). LMPE-CT: 2 ppm 15 minute(s).</p>

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

Appearance: Clear Liquid

Odor: Odorless

Odor Threshold: Not determined

pH: 2.9 - 3.5

Melting point/Freezing point: 212°C

Initial Boiling Point-Boiling Range: Closed cup: N/A

Flash Point: N/A

Evaporation Rate: <1

Flammability (solid, gas): N/A

Upper/lower

Flammability/explosive limits: N/A

Vapor Pressure: N/A

Relative Density: 1

Solubility: Complete

Partition coefficient: n-octanol/water: N/A

Auto-ignition Temperature: N/A

Decomposition Temperature: Not determined

Viscosity: 1,000 cps - 3,000 cps

10. STABILITY AND REACTIVITY

Reactivity: None under normal use

Chemical Stability: Stable under normal conditions of use

Possibility of Hazardous Reactions: None under normal processing

Conditions to Avoid (e.g., static discharge, shock or vibration): No specific data

Incompatible Materials: Reducing agents, metals, combustible materials

Hazardous Decomposition Products: Contaminated product generates oxygen gas, pressure build-up

11. TOXICOLOGICAL INFORMATION

United States

Acute Toxicity

Product/Ingredient name	Result	Dose	Exposure
Hydrogen Peroxide	LC 50 Inhalation Vapor	2 g/m3	4 hours
	LD 50 Dermal	3 g/kg	-

	LD 50 Oral	376 mg/kg	-
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Conclusion/Summary: Not available

Chronic Toxicity

Conclusion/Summary: Not available

Irritation / Corrosion:

Product / Ingredient	Result	Score	Exposure	Observation
Hydrogen Peroxide	Eyes- severe irritant	-	1 milligrams	-

Sensitizer

Conclusion/Summary: Not available

Carcinogenicity

Conclusion/Summary: No carcinogenic effect

Classification

Product / Ingredient Name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Hydrogen Peroxide	A3	3	-	-	-	-

Mutagenicity

Conclusion/Summary: Not available

Teratogenicity

Conclusion/Summary: Not available

Reproductive Toxicity

Conclusion/Summary: Not available

Canada

Acute Toxicity

Product/Ingredient name	Result	Dose	Exposure
Hydrogen Peroxide	LC 50 Inhalation Vapor	2 g/m3	4 hours
	LD 50 Dermal	3 g/kg	-
	LD 50 Oral	376 mg/kg	-

Conclusion/Summary: Not available

Chronic Toxicity

Conclusion/Summary: Not available

Irritation /Corrosion

Product / Ingredient	Result	Score	Exposure	Observation
Hydrogen Peroxide	Eyes-severe irritant	-	1 milligrams	

Conclusion/Summary: Not available

Sensitizer

Conclusion/Summary: Not available

Carcinogenicity

Conclusion/Summary: Not available

Classification

Product / Ingredient Name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Hydrogen Peroxide	A3	3	-	-	-	-

Mutagenicity

Conclusion/Summary: Not available

Tetragenicity

Conclusion/Summary: Not available

Reproductive toxicity

Conclusion/Summary: Not available

Mexico

Acute/toxicity

Product/Ingredient name	Result	Dose	Exposure
Hydrogen Peroxide	LC 50 Inhalation Vapor	2 g/m3	4 hours
	LD 50 Dermal	3 g/kg	-
	LD 50 Oral	376 mg/kg	-

Conclusion/Summary: Not available

Chronic toxicity

Conclusion/Summary: Not available

Irritation/Corrosion

Product / Ingredient	Result	Score	Exposure	Observation
Hydrogen Peroxide	Eyes-severe irritant	-	1 milligrams	-

Conclusion/Summary: Not available

Sensitizer

Conclusion/Summary: Not available

Carcinogenicity

Conclusion/Summary: Not available

Classification

Product / Ingredient Name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Hydrogen Peroxide	A3	3	-	-	-	-

Mutagenicity

Conclusion/Summary: Not available

Teratogenicity

Conclusion/Summary: Not available

Reproductive toxicity

Conclusion/Summary: Not 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
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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
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	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

Transport	UN Number	Proper Shipping Name	Class	Packaging Group	Label	Additional Information
Road/Railway (ADR/RID)	UN2984	Hydrogen peroxide, aqueous solutions	5.1	III		
Marine Transport (IMO/IMDG)	UN2984	Hydrogen peroxide, aqueous solutions	5.1	III		EmS Number: F-A, S-Q Marine Pollutant: No

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 regulated toxic substances: Not listed

Clean Air Act Section 112(b) Not listed

Hazardous Air Pollutants:

Clean Air Act Section 602 Class I Substances: Not listed

Clean Air Act Section 602 Class II Substances:

Clean Air Act Section 602 Class II Substances: Not listed

DEA List I Chemicals (Precursor Chemicals): Not listed

DEA List I Chemicals (Precursor Chemicals): Not listed

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 (TSCA 8b): Not determined

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

Hazardous Material Information System (U.S.A.):

Health	2
Flammability	0
Physical Hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

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Prepared for: Chuckles, Inc.

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