

1. IDENTIFICATION

Product Name: All-Nutrient Keratint Color-Glaze
Product Identification: All-Nutrient Keratint Color-Glaze (all shades):
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

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.
 None

OSHA / HCS Status:

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number
1, 3 Propandiol	504-63-2
2-Aminoethanol	141-43-5
p-Phenylenediamine	106-50-3
Toluene-2,5-Diamine Sulfate	615-50-9
3-Aminophenol	591-7-5
2-Amino-2-methyl-1 propanol	124-68-5
Isopropyl alcohol	67-63-0
Inert Base	Proprietary

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
nitrogen oxides

Special protective equipment for firefighters : In a fire, decomposition may produce toxic gases/fumes. Wear suitable protective clothing.

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).

Methods for cleaning up: Wash with plenty of soap and water Use a water rinse for final clean up.

7. HANDLING AND STORAGE

Handling: Keep out of reach of children. Keeps bottles tightly closed. Avoid contact with skin and eyes.

Storage: Store in a dry, cool, well ventilated area away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

United States:

Ingredient	Exposure Limits
1, 3 Propandiol	None established
Isopropyl alcohol	<p>ACGIH TLV (United States, 3/2012). TWA:200 ppm 8 hour(s) STEL: 400 ppm 15 minute(s).</p> <p>OSHA PEL 1989 (United States, 3/1989). TWA: 400 ppm 8 hour(s). TWA: 980 mg/m³ 8 hour(s). STEL: 500 ppm 15 minute(s). STEL: 1225 mg/m³ 15 minute(s).</p> <p>NIOSH REL (United States, 6/2009). TWA: 400 ppm 10 (hours). TWA: 980 mg/m³ 10 hour(s). STEL: 500 ppm 15 minute(s). STEL: 1225 mg/m³ 15 minute(s).</p> <p>OSHA PEL (United States, 6/2010). TWA: 400 ppm 8 hour(s) TWA: 980 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				
1,3 Propandiol		-	-	-	-	-	-	-	-	-	(a)
		-	-	-	-	-	-	-	-	-	(b)
Isopropyl alcohol	US ACGIH 3/2012	200	-	-	400	-	-	-	-	-	
	AB 4/2009	200	492	-	400	984	-	-	-	-	
	BC 9/2011	200	-	-	400	-	-	-	-	-	
	ON 7/2010	200	-	-	400	-	-	-	-	-	
	QC 9/2011	400	983	-	500	1230	-	-	-	-	
p-phenylenediamine	US ACGIH 3/2012	-	10	-	-	-	-	-	-	-	(
	AB 4/2009	-	0.1	-	-	-	-	-	-	-	
	BC 9/2011	-	0.1	-	-	-	-	-	-	-	(3)
	ON 7/2010	-	0.1	-	-	-	-	-	-	-	
	QC 9/2011	-	0.1	-	-	-	-	-	-	-	(1)(3)

(1) Absorbed through skin. (3) Skin sensitization0

Form: (a) Aerosol only. (b) Vapor and aerosol. (c) inhalable fraction. (d) mist.

Mexico:

Occupational exposure limits	
Ingredient	Exposure limits
Isopropyl alcohol	NOM-010-STPS (Mexico, 9/2000). LMPE-PPT: 400 ppm 8 hour(s). LMPE-PPT: 980 mg/m ³ 8 hour(s). LMPE-CT: 1225 mg/m ³ 15 minute(s). LMPE-CT: 500 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

Appearance: Liquid

Odor: Ammoniacal

Odor Threshold: Not determined

pH: 9.5 - 10.8

Melting point/Freezing point: N/A

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: 0.99 - 1.01

Solubility: Dispersable

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
Possibility of Hazardous Reactions: None under normal processing
Conditions to Avoid (e.g., static discharge, shock or vibration): Avoid contact with air. Keep bottles closed.
Incompatible Materials: No specific data
Hazardous Decomposition Products: Ammonia

11. TOXICOLOGICAL INFORMATION

United States

Acute Toxicity

Product/Ingredient name	Result	Dose	Exposure
1,3 Propandiol	LD 50 Dermal LD 50 Oral	> 4200 mg/kg 15800 mg/kg	- -
2-Aminoethanol	LD 50 Dermal LD 50 Oral	1000 mg/kg 1089 mg/kg	- -
Isopropyl alcohol	LD 50 Dermal LD 50 Oral	12800 mg/kg 5000 mg/kg	

Conclusion/Summary: Not available

Chronic Toxicity

Conclusion/Summary: Not available

Irritation / Corrosion:

Product / Ingredient	Result	Score	Exposure	Observation
1,3 Propandiol	Eyes- slight irritant Skin-slight irritant			
2 Aminoethanol	Eyes-severe irritant Eyes-severe irritant	- -	- -	- -
Isopropyl alcohol	Eyes-moderate irritant Eyes-moderate irritant Eyes-severe irritant Skin - mild irritant	- - - -	24 hrs - 100 milligrams - 10 milligrams - 100 milligrams - 500 milligrams	- - - -

Sensitizer

Conclusion/Summary: Not available

Carcinogenicity

Conclusion/Summary: Not available

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
1,3 Propandiol	LD 50 Dermal LD 50 Oral	> 4200 mg/kg 15800 mg/kg	- -
p-phenylenediamine	LC 50 Inhalation Vapor LD 50 Oral	920 mg/m ³ 80 mg/kg	4 hours -
3-aminophenol	LD 50 Oral	924 mg/kg	-
2-Aminoethanol	LD 50 Dermal LD 50 Oral	1000 mg/kg 1089 mg/kg	- -
Isopropyl alcohol	LD 50 Dermal LD 50 Oral	12800 mg/kg 5000 mg/kg	

Conclusion/Summary: Not available

Chronic Toxicity

Conclusion/Summary Not available

Irritation /Corrosion

Product / Ingredient	Result	Score	Exposure	Observation
1,3 Propandiol	Eyes-slight irritant Skin-slight irritant			
p-phenylenediamine	Skin-mild irritant Skin-mild irritant Skin-mild irritant Skin-mild irritant Skin-mild irritant Skin-mild irritant Skin-moderate irritant Skin-mild irritant Skin-moderate irritant Skin-mild irritant	- - - - - - - - - -	24 hrs – 250 milligrams 24 hrs – 250 milligrams 24 hrs – 250 milligrams 24 hrs – 250 milligrams 24 hrs – 250 milligrams 24 hrs – 12500 milligrams 24 hrs – 250 milligrams 168 hrs – 500 milligrams 72 hrs-104 milligrams Intermittant 96 hrs – 30 percent	- - - - - - - - - -
3-aminophenol	Eyes-moderate irritant Skin-mild irritant	- -	24 hrs- 100 milligrams 24 hrs – 12500 micrograms	- -
Isopropyl alcohol	Eyes-moderate irritant Eyes-moderate irritant Eyes-severe irritant Skin – mild irritant	- - - -	24 hrs – 100 milligrams - 10 milligrams - 100 milligrams - 500 milligrams	- - - -

Conclusion/Summary: Not available

Sensitizer

Conclusion/Summary: Not available

Carcinogenicity

Conclusion/Summary: Not available

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
1, 3 Propandiol	LD 50 Dermal LD 50 Oral	20800 mg/kg 20 g /kg	- -
2-Aminoethanol	LD 50 Oral	1089 mg/kg	-
Isopropyl alcohol	LD 50 Dermal LD 50 Oral	100 mg	24 hours

Conclusion/Summary: Not available

Chronic toxicity

Conclusion/Summary: Not available

Irritation/Corrosion				
Product / Ingredient	Result	Score	Exposure	Observation
1, 3 Propandiol	Eyes-slight irritant Skin-slight irritant			
2 Aminoethanol	Eyes-Severe irritant Eyes-Severe irritant	- -	- -	- -
Isopropyl alcohol	Eyes-moderate irritant Eyes-moderate irritant Eyes-severe irritant Skin – mild irritant	- - - -	24 hrs – 100 milligrams - 10 milligrams - 100 milligrams - 500 milligrams	- - - -
Conclusion/Summary:		Not available		
Sensitizer				
Conclusion/Summary:		Not available		
Carcinogenicity				
Conclusion/Summary:		Not available		
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
Isopropyl alcohol	Acute LC50 1400000 ug/L Marine water Acute LC 50 4200000 ug/L Fresh water	Crustaceans – Crangon crangon Fish – Rasbora heteromorpha – 1 to 3 cm	48 hours 96 hours
1,3 Propandiol	EC50: 7417 mg/L EbC50: 1600 mg/L EC50: > 9720 mg/L	Daphnia-Daphnia magna – water flea Algae Pimephales promelas – (fathead minnow)	48 hours 72 hours 96 hours

Conclusion/Summary: Not available

Persistence/degradability

Conclusion/Summary: Not available

Canada

Aquatic Ecotoxicity

Product/ingredient name	Result	Species	Exposure
Isopropyl alcohol	Acute LC50 1400000 ug/L Marine water Acute LC 50 4200000 ug/L Fresh water	Crustaceans – Crangon crangon Fish – Rasbora heteromorpha – 1 to 3 cm	48 hours 96 hours
1,3 Propandiol	EC50: 7417 mg/L EbC50: 1600 mg/L EC50: > 9720 mg/L	Daphnia-Daphnia magna – water flea Algae Pimephales promelas – (fathead minnow)	48 hours 72 hours 96 hours

Conclusion/Summary: Not available

Persistence/degradability

Conclusion/Summary: Not available

Mexico

Aquatic Ecotoxicity

Product/ingredient name	Result	Species	Exposure
Isopropyl alcohol	Acute LC50 1400000 ug/L Marine water	Crustaceans – Crangon crangon	48 hours

1,3 Propanediol	Acute LC 50 4200000 ug/L Fresh water EC50: 7417 mg/L EbC50: 1600 mg/L EC50: > 9720 mg/L	Fish – Rasbora heteromorpha – 1 to 3 cm Daphnia-Daphnia magna – water flea Algae Pimephales promelas – (fathead minnow)	96 hours 48 hours 72 hours 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

Finished packaged product transported by ground (DOT): Non hazardous
 Finished packaged product transported by vessel (IMDG): Non hazardous
 Finished packaged product transported by air (IATA): Non hazardous

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 302/304/311/312 extremely hazardous substances: this product does not contain any ingredients regulated under this list

SARA 302/304 emergency planning and notification: this product does not contain any ingredients regulated under this list

SARA 302/304/311/312 hazardous chemicals: Propan-1,3-diol

SARA 311/312 MSDS distribution – chemical inventory – hazard identification: 1, 3 propanediol: Immediate (acute) health hazard, Delayed (chronic) health hazard

SARA 313: p-Phenylenediamine

Clean Water Act (CWA) 311: Monoethanolamine, phosphoric acid, resorcinol

Clean Air Act (CAA) 112 regulated toxic substances: Monoethanolamine

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

New Jersey: The following components are listed: 1,3 PROPANDIOL

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 D-2B: Material causing other 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.

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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