

MATERIAL SAFETY DATA SHEET
Lactic Acid Gel 40%

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Code: Rx 109
Product Name: Lactic Acid Gel 40%
Manufacturer: SKNI, Inc 1005 Grant Dr, Richardson, Tx 75081
Emergency Phone: (214)484-5207 (Mon - Fri, 10.00 am - 5.00 pm Central Time)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Substances: N/A 3.2 Mixtures

Chemical characterization

% by Weight	Ingredients	CAS Number	EC Number	EC Classification
45	Lactic acid, 88%	79-33-4	201-196-2	Xi, R38, R41
	Sodium hydroxide*	1310-73-2	215-185-5	C, R35
<12	SD Alcohol 40B	64-17-5	200-578-6	F, R11

Non-hazardous ingredients: Purified Water, Licorice Root Powder, Hydroxyethyl Cellulose

*used for pH adjustment

There are no additional ingredients present which the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to the health or the environment and hence require reporting in this section.

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview

Warning! Irritant Harmful if swallowed or inhaled: Causes serious eye irritation and possible eye damage. Causes skin irritation. This product is considered hazardous by OSHA 29 CFR 1910.1200 and/or WHMIS under the HPA.

Primary Routes of Exposure & potential Health Effects:

Eyes: Causes serious eye irritation. May cause permanent damage to eyes Vapor or mist can cause eye irritation.

Skin: Causes skin irritation.

Inhalation: Vapor or mist may be irritating to the nose, throat and respiratory system.

Ingestion: Accidental ingestion of product may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Causes burns to the digestive tract.

Medical Conditions Aggravated by Exposure: Pre-existing disorders involving the skin and any target organ (s) listed in this section as being at risk may be aggravated by over-exposure to this product.

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes. Remove contact lenses after the first 2 minute and continue washing. If discomfort, irritation persists, consult a physician.

SKIN: Flush skin with large amounts of water while removing contaminated clothing, and continue rinsing for at least 15 minute. Wash contaminated clothing thoroughly before reuse. Discard contaminated shoes. Seek immediate medical attention.

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INGESTION: Rinse mouth with water if victim is conscious. DO NOT induce vomiting unless direct to do so by medical personnel. Never give anything by mouth to an unconscious person. Obtain medical attention immediately.

INHALATION: If respiratory irritation occurs, move the exposed person to fresh air immediately. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point 73 C (164 F)	Explosion Limit, Lower (LEL) Not determined	Explosion Limit, Upper (UEL) Not determined	Flammability Classification Combustible liquid, Class III
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EXTINGUISHING MEDIA:

Water fog or spray chemical foam, dry chemical or carbon dioxide.

Special Fire and Explosion Hazards: Combustible liquid. Explosive mixtures may form with air if large quantities of product are released in unventilated areas.

FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used if large quantities of products are involved. Water may be used to cool closed containers to prevent pressure build-up and possible explosion when exposed to extreme heat. Hazardous decomposition products may be released during a fire. Symptoms may not be apparent. Seek medical advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to Be Taken in Case Material Is Released or Spilled:

Wear appropriate clothing designated in Section 8. Ventilate the area.

Small and Large Spills: Cover drains. Dike and contain spill. Neutralize spill with dilute alkaline solution of soda ash or lime. Cover with a large quantity of inert absorbent. Use a shovel to collect product and place into containers for disposal. Clean contaminated area with soap and water. Avoid dispersal of material or run-off and prevent contact with soil and entry into drains, sewers and waterways.

SECTION 7: HANDLING AND STORAGE

Handling Precautions:

Wear all appropriate personal protective equipment specified in Section 8. Keep containers closed when not in use. Avoid breathing product mists or vapor

Storage Precautions: Keep in cool, dry, ventilation storage areas in closed containers. Transfer only to approved containers having correct labeling. Containers that have been opened should be carefully resealed and kept upright to prevent leakage. Do not take internally. Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

CAS Number 64-17-5	Ingredients SD Alcohol 40B	OSHA (TWA) 1,000ppm, 1,900mg/m3	ACGIH (TWA-8 hours)
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Engineering Controls: Use adequate ventilation. Local exhaust is preferable. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

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Protective Equipment: Wear protective clothing to prevent repeated or prolonged contact with product.

Respiration Protection: None required with normal use. Always use an approved respirator when vapor/aerosols are generated. Where risk assessment shows air-purifying respirators are appropriate use a full-faced respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

Eye Protection: Wear protective goggles or safety glasses with unperforated side shields during production and/or packaging of this product. Refer to 29 CFR 1910.133 ANSI Z87.1 or European Standard EN 166.

Hand Protection: Wear gloves recommended by glove supplier for protection against materials in Section 3 during production and/or packaging. Gloves should be impermeable to chemicals and oil. Breakthrough time of selected gloves must be greater than the intended use period.

Work/Hygienic Practices: Facilities storing or using this material should be equipped with an eyewash station and safety shower. Practice safe workplace habits. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, pale amber liquid

ODOR: Mild , characteristic

DENSITY: 1.05-1.12 g/ml (8.76-9.35 lb/gal) g/ml (9.013lb/gal)

pH : 2.35-2.75

Freezing/Melting Point; Not determined

BOILING POINT: Not determined

SOLUBILITY IN WATER: Completely miscible

VAPOR PRESSURE : 2.3 kPa @20 C (highest known value)

VAPOR DENSITY : <1 (AIR = 1

SPECIFIC GRAVITY : 1.05 – 1.12

Viscosity: Not determined

% VOC: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Hazardous polymerization: does not occur.

Conditions to avoid: Temperatures extremes, open flames, incompatible materials.

Incompatible (Materials to Avoid): Oxidizing agents

Hazardous decomposition products: Thermal decomposition products include oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICOLOGY DATA

% by Weight	Ingredient Name	CAS No.	Test & Species	Result
45	Lactic acid, 88%	79-33-4	Oral LD50 Rat	3,543 mg/kg
			Dermal LD50 Rabbit	>2 gm/kg
			Inhalation LC50	No data available
			Draize Test, Eye Rabbit	750 ug; sever irritation
			Skin Irritation Rabbit	Moderate to severe irritation

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<12	SD Alcohol 40B	64-17-5	Oral LD50 Rat	7,060 mg/kg
			Dermal LD50	No data available
			Inhalation LC50 Rat	66,000mg/L-4h(Literature)

Potential Chronic Health Effects: Finished product is not expected to have chronic health effects. Not listed as a carcinogen by ACGIH, IARC NTP or OSHA. No data is available regarding the mutagenicity and/or teratogenicity of this material, nor is there any available data that indicates it causes adverse developmental and/or fertility effects. Lactic Acid- RTECS # 0D2800000

SECTION 12: ECOLOGICAL INFORMATION

No data available regarding the ecotoxicity and environmental impact of this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Products covered by this MSDS, in their original form, when disposed as waste, are ignitable hazardous waste, D001, according to Federal Resource Conservation and Recovery Act (RCRA) regulations (40 CFR 261). This material and its container should be disposed of in a safe way as empty containers may contain product residue. Dispose of in accordance with federal, state/provincial and local laws and regulations. The generation of waste should be avoided or minimized whenever possible.

SECTION 14: TRANSPORT INFORMATION

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100-177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

This material is eligible for shipment reclassification as limited quantities in accordance with 49 CFR 173.154 Exemptions for Class 8 (corrosive materials) and/or ORM-D Consumer Commodity in accordance with 49 CFR 173.56.

DOT

Proper Shipping Name: Corrosive liquid, acidic, organic, N.O.S. (Lactic acid)

Hazard Class: 8

UN/NA: UN3265

Packing Group: III

UN TGD Class/Pack Group: Corrosive liquid, acidic, organic, N.O.S.,(Lactic acid). 8,II

IMO/IMDG

Proper Shipping Name: Corrosive liquid, acidic, organic, N.O.S. (Lactic acid)

Hazard Class: 8

UN/NA: UN3265

Packing Group: III

EMS Number: F-A, S-B

IAAO/IATA

Proper Shipping Name: Corrosive liquid, acidic, organic, N.O.S. (Lactic acid)

Hazard Class: 8

UN/NA: UN3265

Packing Group: III

RID/ADR

Proper Shipping Name: Corrosive liquid, acidic, organic, N.O.S. (Lactic acid)

Hazard Class: 8

UN/NA: UN3265

Packing Group: III

Marine Pollutant: This product is not a marine pollutant.

Signal Word: Warning

Hazard Symbols: GHS07;Xi (EEC)

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SECTION 15: REGULATORY INFORMATION

EU DPD (Dangerous Products Directive) Classification (DPD 88/379/EEC)

Regulated as a Cosmetic and/or Drug under FDA (USA), HPB (Canada), Cosmetic Directive (EU), MHW (Japan) and MOH (China).

U.S. FEDERAL REGULATIONS:

OSHA Hazard Communication Standard: This material is classified as hazardous as defined by the OSHA in 29 CFR 1900.1200(d). Irritant.

TSCA STATUS: All components of this product are listed on the Toxic Substance Control Act (TSCA) Inventory.

Superfund Amendments and Reauthorization Act (SARA)

SARA Section 311/312 Hazard Categories: Acute Health Hazard.

SARA 313 Information: None of the chemicals in this product exceed the threshold (de minimis) reporting levels established by Section 313 of the emergency Planning and Community Right –to Know Act of 1986.

SARA 302/304 Extremely Hazardous Substance: No components of this product are subject to the reporting requirements of these sections of Title III of SARA.

SARA 302/304 Emergency Planning & Notification: None of the chemicals in this product are subject to reporting requirements of these sections of Title II of SARA.

Comprehensive Response Compensation and Liability Act (CERCLA): This product contains the following reportable substance(s):

Sodium hydroxide (CAS # 1310-73-2): RQ=453.6 kg (1,000 lbs.) SD Alcohol 40B (CAS #64-17-5): RQ =45.4 kg (100 lbs.)

Clean Air Act (CAA)

This product does not contain any chemical listed as Hazardous Air Pollutants(HAP) under CAA Section 112(b).

This product does not contain any Class 1 Ozone depletors.

This product does not contain any Class 2 Ozone depletors.

Clean Water Act (CWA)

Sodium hydroxide (CAS #1310-73-2) is listed as a Hazardous Substance under the CWA. (Material is neutralized in situ.)

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

U.S .STATE REGULATIONS:

California Prop 65: This product contains no chemical(s) known to the state of California to cause cancer or other reproductive harm.

Other U.S. State Inventories:

Sodium hydroxide (CAS #1310-73-26) is listed on the following State Inventories or Right-to-Know lists: CA, DE, MA, MN, NJ, NY, PA, WA, WI.

SD Alcohol 40B (CAS #64-17-5): is listed on the following State Inventories or Right-to-Know lists: CA, ID, MA, MN, NJ, PA, WA

Canada

WHMIS Hazard Symbol and Classification



E-Corrosive

Canadian Controlled Products Regulations (CPR): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations, and MSDS contains all the information required by the Controlled Products Regulations.

Canadian Domestic Substances List/ Non- Domestic Substances (DSL/DSL): Hydroxyethyl cellulose is not listed on the DSL or NDSL. There are no control measures imposed on this substances. All other ingredients are listed on the DSL.

Canadian Ingredient Disclosure List (IDL): SD Alcohol 40B and Sodium Hydroxide are listed on the IDL.

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Europe Economic Community

EU Regulatory Medicinal and cosmetic product in the finished form, intended for the final user are not subject to the Directive relating to the classification, packaging and labeling of dangerous preparations (1999/45/EC).

Label Symbol and Classification:



Xi-Irritant

S36/38- Irritating to eyes and skin.

R41- Risk of serious damage to eyes.

Safety Phrases

S2 keep out of reach of children.

S26 - In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice.

S39- Wear eye/face protection.

GHS Label Symbol(S):



Irritant

Global Chemical Inventory List

Country	Inventory Name	Inventory Listing*
Canada	Domestic Substance List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
Europe	Inventory of New and Existing Chemical (EINECS)	Yes
United States	Toxic Substance Control Act (TSCA)	Yes
Australia	Australia Inventory of Chemical Substances (AICS)	Yes
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Japan	Inventory of Existing New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Yes

**"yes" indicates that all components of this product are in compliance with the inventory requirements administered by the governing country.

**"No" indicates that one or more components of this product are not on the inventory or are exempt from listing.

Chemicals safety assessment: For this a chemical safety assessment was not carried out

SECTION 16: OTHER INFORMATION

MSDS STATUS: First issue.

PREPARATION INFORMATION: Robert Helmes

DISCLAIMER: The information herein is given in good faith, but no warranty, expressed or implied, is made. Consult SKINI, Inc. for further information.

SKINI, INC Will not be responsible for damages resulting from use of or reliance upon this information.