

MATERIAL SAFETY DATA SHEET

70% CryoProtective Lactic Acid Peel

Dermastart, Inc

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: 70% CryoProtective Lactic Acid Peel

Product codes(s):6031

Synonym(s):

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Material for use in skin care preparations

Uses advised against: No uses advised against
Details of the supplier and of the safety data sheet Manufacturer/Distributor

Product name: 70% CryoProtective Lactic Acid Peel

Dermastart Inc
940 West Oakland Ave Suite A3
Winter Garden, FL 34787 USA
+866.589.2949

1.3 Outside the USA or Canada: +866.589.2949

1.4 Emergency telephone number

Outside the USA or Canada: +866.589.2949

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Product definition: Mixture

Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquid - Category 3 [H226]

Skin Irritation - Category 2 [H315]

Eye Damage - Category 1 [H318]

2.2 Label Elements

Hazard Symbol(s):



GHS02



GHS05



GHS07

Signal Word: Danger

Hazard Statement(s): H226 - Flammable liquid and vapor

H315 - Causes skin irritation

H318 - Causes serious eye damage

Precautionary Statements:

[Prevention]

P210 - Keep away from heat, sparks, open flames and hot surfaces. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground and bond container and receiving equipment.

P241 - Use explosion-proof electrical, ventilating, lighting and mixing equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P264 - Wash hands and other skin areas exposed to material thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

[Response]

P370 + P378 - In case of fire: Use water fog, foam, dry chemical or carbon dioxide for extinction.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

P321 - Specific treatment: Contact a POISON CENTER or doctor. Refer to Section 4 of this SDS.

P332 + P313 - If skin irritation occurs: Get medical attention.

P362 - Take off contaminated clothing and wash before reuse.

[Storage]

P403 + P233 - Store in well-ventilated place. Keep container tightly closed.

[Disposal]

P501 - Dispose of contents and containers in accordance with national and local regulations.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

SDS



Mixtures
Chemical characterization

% by Weight	Ingredient	CAS Number	EC Number	Index Number	GHS Classification
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Non-hazardous ingredient(s): Water

There are no additional ingredients present which, within 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 4 - FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: N/A

Eyes: Immediately flush eyes with large amounts of water for 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses, if present and easy to do, after the first 2 minutes and continue rinsing. Seek immediate medical attention, preferably from an ophthalmologist.

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

Ingestion: Rinse mouth with water if victim is conscious. Remove dentures, if any. Give 2 glasses of water or milk to drink if victim is conscious, alert and able to swallow. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or convulsing person. Obtain medical attention immediately. To prevent aspiration of swallowed product, lay victim on one side with the head lower than the waist.

4.2 Most important symptoms and effects, both acute and delayed

Potential health symptoms and effects

Eyes: Causes severe irritation and burns to eyes and surrounding tissue. Symptoms may include redness, swelling, pain, tearing, burns, blurred vision and possible eye damage. Mist or vapor can cause severe eye irritation and eye damage.

Skin: Causes skin irritation with redness, itching and discomfort.

Inhalation: Harmful if inhaled. May cause irritation of the nose, throat and respiratory system. Symptoms may include cough, sore throat, pain, headache, shortness of breath and lung inflammation. Material is extremely destructive to the mucous membranes and upper respiratory tract.

Ingestion: Harmful if swallowed. Causes burns to the lips, mouth, throat and gastrointestinal tract. Causes headache, nausea vomiting, abdominal pain, diarrhea, tiredness, incoordination, collapse and unconsciousness, May cause perforation of the esophagus and stomach. May cause severe and permanent damage to the digestive tract.

Chronic: Persons with pre-existing skin disorders or respiratory impairment may be more susceptible to the effects of this product.

4.3 Indication of any immediate medical attention and special treatment needed

Advice to Doctor and Hospital Personnel

Treat symptomatically and supportively.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishable media

Suitable methods of extinction: Use extinguishing media such as water spray or mist, carbon dioxide, foam and dry chemical.

Unsuitable methods of extinction: Water jets or streams may spread the fire.

5.2 Special hazards arising from the substance or mixture

Explosion hazards: N/A

5.3 Advice for firefighters

Firefighters should wear full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. Water may be used to cool closed containers to prevent pressure buildup and possible auto ignition or explosion when exposed to extreme heat. If possible, firefighters should control runoff to prevent environmental contamination.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing designated in Section 8. Approach spill from upwind. Remove all sources of ignition. Ventilate the area.

6.2 Environmental precautions

Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers or waterways.

6.3 Methods and materials for containment and cleaning up

Cover drains and contain spill. Carefully neutralize spill with lime or soda ash. Cover spill with a large quantity of inert absorbent. Do not use combustible material such as sawdust. Collect product using non-sparking tools and place into an approved container for proper disposal. Do

not use a metal container for disposal. Observe possible material restrictions (Sections 7.2 and 10.5). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

6.4 Reference to other sections

See Section 13 for additional waste treatment information.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear all appropriate personal protective equipment specified in Section 8. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. If normal use of material presents a respiratory hazard, use only adequate ventilation or wear an appropriate respirator. Spills should be cleaned up promptly. Wash contaminated clothing before reuse. Destroy contaminated shoes. Keep containers closed when not in use.

Advice on protection against fire and explosion

Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use non-sparking type tools and equipment, including explosion proof ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry, cool and well-ventilated area, away from incompatible materials, food and drink. Keep away from heat and sources of ignition.

Transfer only to approved containers having correct labeling. Protect containers against physical damage. Keep containers tightly closed.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not reuse empty containers as they may retain product residues and vapors. Do not cut, drill, weld, braze, solder grind or perform similar operations on or near empty containers. Ventilate closed areas. Do not take internally. Keep out of reach of children.

7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

CAS Number	Ingredient	OSHA	ACGIH	NIOSH
(Table content is obscured by a large watermark)				

8.2 Exposure controls

Engineering Measures: Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable. Refer to Section 7.1 for additional data.

Individual protection measures: Wear protective clothing to prevent repeated or prolonged contact with product. Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the representative supplier.

Hygiene measures: Facilities storing or using this material should be equipped with an eyewash station and safety shower. Change contaminated clothing. Preventive skin protection is recommended. Wash hands thoroughly after use, before eating, drinking or using the lavatory.

Eye/face protection: Wear protective goggles or safety glasses with non-perforated side shields and a face shield. Refer to 29 CFR 1910.133, ANSI Z87.4 or Standard EN 166.

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

Other protective equipment: Protective clothing. Protective boots, if the situation requires.

Respiratory protection: None required with normal handling. Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements. If there are no applicable exposure limit requirements, wear respiratory protection when adverse effects (e.g. respiratory irritation or discomfort) have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator. An organic vapor cartridge with a particulate pre-filter is an example of an effective air-purifying respirator.

Environmental exposure controls: Do not empty into drains.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear tan liquid		
Odor	Odorless		
Odor Threshold	No data available		
Molecular Weight	Not applicable		
Chemical Formula	Not applicable		
pH	1.7-2.5		
Freezing/Melting Point, Range	No data available		
Initial Boiling Point			
Evaporation Rate	No data available		
Flammability (solid, gas)	Not applicable		
Flash Point	Non flammable		
Autoignition Temperature	No data available		
Decomposition Temperature	No data available		
Lower Explosive Limit (LEL)	No data available		
Upper Explosive Limit (UEL)	No	data	available



Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	(water=1) : 7.8lb/gal
Viscosity	No data available
Solubility in Water	miscible
Partition Coefficient: n-octanol/water	No data available
Volatiles by Volume @ 21 °C	No data available

9.2 Other data

No data available

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

No special reactivity has been reported.

10.2 Chemical stability

This product is stable under recommended storage conditions, handling and use.

10.3 Possibility of hazardous reactions

No data available

Hazardous polymerization does not occur.

10.4 Conditions to avoid

Sources of ignition, hot surfaces, temperature extremes, contact with incompatible materials. Overheating and ingestion

10.5 Incompatible materials

Strong oxidizing agents, strong bases, strong reducing agents, caustic and acidic compounds

10.6 Hazardous decomposition products

Thermal decomposition products include oxides of carbon, aldehydes, ketones and irritating gases and vapors. CO and CO₂

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Oral Toxicity

Expected to have low acute oral toxicity

Acute inhalation toxicity

Expected to have low acute inhalation toxicity

Acute dermal toxicity

Expected to have low acute dermal toxicity

Skin irritation/corrosion

Cause skin irritation

Eye irritation/corrosion

Causes burns and possible eye damage

Sensitization

No data available

Genotoxicity in vitro

No data available

Mutagenicity

No data available

Specific organ toxicity - single exposure

No data available

Specific organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Further information

No data is available regarding the mutagenicity or teratogenicity of this material in humans, nor is there any available data that indicated that it causes adverse developmental or fertility effects in humans.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

The Eco toxicity of this product has not been evaluated. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Persistence and degradability

Expected to biodegrade over time



12.3 Bioaccumulation potential

Product will not bio accumulate.

12.4 Mobility in soil

Expected to be mobile in the environment due to its water solubility

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Additional ecological information

Handle in accordance with good industrial hygiene and safety practice.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Methods of disposal: The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste: The classification of this product may meet the criteria for a hazardous waste.

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.

USA DOT

Proper Shipping Name:
Hazard Class: 3
UN/NA: 1993
Packing Group: II
NAERG: Guide #128
Packaging Authorization: Non-Bulk: 49 CFR 173.202; Bulk: 173.242
Packaging Exceptions: 49 CFR 173.150



IMO/IMDG

Proper Shipping Name:
Hazard Class: 3
UN/NA: 1993
Packing Group: II
Marine Pollutant: No
EMS Number: F-E, S-E

ICAO/IATA

Proper Shipping Name:
Hazard Class: 3
UN/NA: 1993
Packing Group: II
Quantity Limitations: 49 CFR 175.27 and 175.75 - Cargo Aircraft Only: 60 l; Passenger Aircraft: 5 l

RID/ADR

Proper Shipping Name:
Hazard Class: 3
UN/NA: 1993
Packing Group: II

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture

U. S. Federal Regulations

OSHA Hazard Communication Standard: This product is classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

OSHA Process Safety Management Standard: This product is not regulated under OSHA PSM Standard 29 CFR 1910.119.

EPA Risk Management Planning Standard: This product is not regulated under EPA RMP Standard (RMP) 40 CFR Part 68.

EPA Federal Insecticide, Fungicide and Rodenticide Act: This product is not a registered Pesticide under the FIFRA, 40 CFR Part 150.

TSCA Status: The components of this product are listed on the TSCA Inventory. This product is not subject to TSCA 12 (b) Export Notification.

Superfund Amendments and Reauthorization Act (SARA)

SARA 313 Information: None of the chemicals in this product are subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-to Know Act of 1986.

SARA Section 311/312 Hazard Categories: Fire Hazard, Acute Health Hazard

SARA 302/304 Extremely Hazardous Substance: None of the chemicals in this product are subject to 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 III of SARA.

Comprehensive Response Compensation and Liability Act (CERCLA): This product contains no CERCLA reportable substances.

Clean Air Act (CAA)

This product does not contain any substances that are listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

This product does not contain any Class 1 Ozone depleters.

This product does not contain any Class 2 Ozone depleters.

Clean Water Act (CWA)

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

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, Safe Drinking Water and Toxic Enforcement Act of 1986:

Carcinogen classification for _____ applies to beverage use only. This product is NOT intended for this use.

Other U.S. State Inventories:

_____ is listed on the following the State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air

Pollutants list: CA, ID, MA, MN, NJ, PA, RI, WA.

Canada

WHMIS Hazard Symbol and Classification



B3 - Combustible liquid: Flash point of _____

Canadian National Pollutant Release Inventory (NPRI): None of the substances in this product are listed on the NPRI.

European Economic Community

Labeling (67/548/EEC or 1999/45/EC):



Xn - Harmful

Risk Phrases: R10 - Flammable
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.

Safety Phrases: S1/2 - Keep locked up and out of reach of children.
S16 - Keep away from sources of ignition. - No smoking.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

WGK, Germany (Water danger/protection): 1

Global Chemical Inventory Lists

Country	Inventory Name	Inventory Listing*
Canada	Domestic Substance List (DSL).	Yes
Canada	Non-Domestic Substance List (NDSL)	No
Europe	Inventory of New and Existing Chemicals (EINECS)	Yes
United States	Toxic Substance Control Act (TSCA)	Yes
Australia	Australian 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 and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippine 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.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

Health	2
Flammability	2
Physical Hazard	0
Personal Protection	C

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH
 4 = EXTREME



National Fire Protection Association (NFPA)

Flammability

Health: 1, Instability: 0, Special: 0

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