Material Safety Data Sheet

Lactic Acid Powder (RXSOL-19-1344-200)

1. Product and Company Identifaction

Product Name	Lactic Acid
Part Number	RXSOL-19-1344-200

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Sikka, Dahej, Hazira, JNPT, Goa, Mangalore, Cochin, Tuticorin, Chennai, Kakinada, Vizag, Paradip, Kolkata, UAE, Singapore

Phone	+91 22 27815540 / 41 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Product Name	CAS-No.	Weight %
Lactic acid	50-21-5	85 %

3. Hazards Identification

Signal Word	Danger
Hazard Statements	Causes skin irritation Causes serious eye damage.
Precautionary Statements Prevention	Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection Keep only in original container.
Skin	Wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash before reuse.
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/physician.
Storage	Store in corrosive resistant polypropylene container with a resistant inliner.
Hazards not otherwise classified (HNOC)	None identified.

4. First Aid Measures

General Advice	Advice If symptoms persist, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects	Causes severe eye damage.
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

Suitable Extinguishing Media	Media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing	Media No information available
Flash Point	110 °C / 230 °F
Method	No information available
Autoignition Temperature	Keep product and empty container away from heat and sources of ignition.
Explosion Limits	Upper No data available Lower No data available Sensitivity to Mechanical Impact No information available Sensitivity to Static Discharge No information available
Specific Hazards Arising from the Chemical	Keep product and empty container away from heat and sources of ignition.
Hazardous Combustion Products Carbon monoxide	(CO) Carbon dioxide (CO2)
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Use personal protective equipment.
Environmental precautions	Should not be released into the environment. See Section 12 for additional ecological information.
Methods and materials for containment and cleaning up	Keep in suitable, closed containers for disposal. Soak up with inert absorbent material.

7. Handling and Storage

Handling	Ensure adequate ventilation. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls and personal protection

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal Protective Equipment	Eye/face Protection Tightly fitting safety goggles. Face-shield.
Skin and body protection	Long sleeved clothing.
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.



Gloves



Suit

9. Physical and chemical properties

Physical State	Very viscous Liquid
Appearance Colorless	No information available
Odour	Pungent
Odor Threshold	No information available
pH	2,8
Melting Point/Range	18 °C / 64.4 °F
Initial boiling point and boiling range	122 °C / 251.6 °F @ 15 mmHg
Flash point	110 °C / 230 °F
Evapouration rate	Not applicable
Flammability (solid, gas)	No information available
Explosive limits	Upper No data available Lower No data available
Vapour pressure	1 hPa @ 20 °C
Vapour density	No information available
Specific Gravity	1.200
Solubility	Soluble
Partition coefficient	n-octanol/water No data available
Auto-ignition	No information available
Decomposition	No information available
Viscosity	No Data Available
Molecular Formula	C3 H6 O3
Molecular Weight	90.08

10. Stability and reactivity

Recativity	Hazard None known, based on information available
Stability	Stable under normal conditions.

Conditions to Avoid	Excess heat. Incompatible products.
Incompatible materials	Acids, Bases, Strong oxidizing agents, Reducing agents.
Hazardous Decomposition	ProductsCarbon monoxide (CO), Carbon dioxide (CO2).
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. Toxicological information

Toxicologically Synergistic Products	No information available
Irritation Irritating to skin	Risk of serious damage to eyes
Sensitization	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.
Mutagenic Effects	No information available
Reproductive Effects	No information available
Developmental Effects	No information available
Teratogenicity	No information available
STOT-single exposure	None known
STOT-repeated exposure	None known
Aspiration hazard	No information available
Symptoms / effects,both acute and delayed	No information available
Endocrine Disruptor Information	No information available
Additional Information	The toxicological properties have not been fully investigated

12. Ecological information

Persistence and Degradability	Soluble in water Persistence is unlikely based on information available.
Bioaccumulative potential	No information available.
Mobility in soil	Will likely be mobile in the environment due to its water solubility.

13. Disposal considerations

Waste from Residues / Unused Products	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT	Not regulated
TDG	Not regulated
Hazard Class	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. Regulatory information

TSCA 12(b)	Not applicable
SARA 313	Not applicable
SARA 311/312 Hazard Categories See section 2 for more information	Hazard Categories See section 2 for more information
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA	Occupational Safety and Health Administration Not applicable
CERCLA	Not applicable
California Proposition 65	This product contains the following proposition 65 chemicals
U.S. Department of Transportation	Reportable Quantity (RQ): N DOT Marine Pollutant N DOT Severe Marine Pollutant N
U.S. Department of Homeland	Security This product does not contain any DHS chemicals.
Other International Regulations	Mexico - Grade

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising,even if Rx Marine International has been advised of the possibility of such damages.