Material Safety Data Sheet

L-TARTARIC ACID (RXSOL-19-1625-025)

1. Product and Company Identifaction

Product Name	RXSOL-19-1625-025
Product Type	L-TARTARIC ACID

Company Details:

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

Branch Stock Point ::: Mumbai, Kandla, Chennai - Ennore, visakhapatnam, Kolkata, Fujairah, Muscat, Nairobi

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

CAS #	EC Number	Hill Formula	Chemical Formula	Molar Mass	Grade Value
87-69-4	201-766-0	C?H?O?	HOOCCH(OH)CH(OH)COOH	150.09 g/mol	Ph Eur,BP,ChP,JP,NF,E 334

3. Hazards Identification

Safety Information according

Hazard Pictogram(s)	Hazard Pictogram(s)
Hazard Statement(s)	H318: Causes serious eye damage.
Precautionary Statement(s)	P280: Wear eye protection/ face protection. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Signal Word	Danger
RTECS	WW7875000
Storage class	10 - 13 Other liquids and solids
WGK	WGK 1 slightly hazardous to water
Disposal	3 Relatively unreactive organic reagents should be collected in container A. If halogenated, they should be collected in container B. For solid residues use container C.

4. First Aid Measures

Safety Information

Categories of danger	irritant

6. Accidental Release Measures

Enviromental Precaution	Direct flow into drainage system, surface or ground water is prohibited

Cleaning Method	for preventing the spreading of materials remove spill mechanically or with absorbent materials and dispose of in accordance with section 13.Flush with large amounts of water to clean the area.Ventilate well. Personal: During usage of chemical personal should use all normal protective equipment and avoid contact with eye and skin and for use in close environment personnel should use respiratory breathing apparatus

7. Handling and Storage

Storage and Shipping Information

Storage	Store at +2°C to +30°C.

9. Physical and chemical properties

Specifications

Assay (acidimetric; calculated on dried substance)	99.7 - 100.5 %
Identity (wet chemistry)	passes test
Identity (IR)	passes test
Appearance of solution (10?%; water)	passes test
Spec. rotation [?²0/D (20?%; water calculated on dried substance)	+12.0 - +12.8 °
Spec. rotation [?²5/D (20?%; water calculated on dried substance)	+12.0 - +13.0 °
Chloride (Cl)	? 0.0100 %
Sulfate (SO?)	? 0.0150 %
Sulfate (NF)	passes test
Heavy metals (as Pb)	? 0.0010 %
As (Arsenic)	? 0.0001 %
Ca (Calcium)	? 0.0200 %
Calcium (JP)	passes test
Hg (Mercury)	? 0.0001 %
Pb (Lead)	? 0.0002 %
Oxalates (as C?H?O?)	? 0.01 %
Oxalate (JP)	passes test
Oxalate (NF)	passes test
Residual solvents (ICH Q3C)	excluded by manufacturing process
Sulfated ash (600?°C)	? 0.05 %
Loss on Drying (105 °C)	? 0.2 %

Elemental impurity specifications have been set considering ICH Q3D (Guideline for Elemental Impurities). Class 1-3 elements are not likely to be present above the ICH Q3D option 1 limit, unless specified and indicated (*).
Corresponds to Ph Eur, BP, ChP, JP, NF, E 334
Conforms to the purity criteria on food additives according to the current European Commission Regulation.

14. Transport information

Transport Information

Declaration (railroad and road) ADR, RID	Kein Gefahrgut
Declaration (transport by air) IATA-DGR	No Dangerous Good
Declaration (transport by sea) IMDG-Code	No Dangerous Good

16. Other information

on the basis of information and experience as well as our present knowledge this guidelines is only safe for handling, use, processing, storage, transport, disposal and discharge; this is not a guarantee or quality of specification. And combination with other products will lost the properties. It is always the responsibility of the user to take all necessary steps to ensure that information given here is read and understood by all who use, handle, dispose of or in any way come in contact with the product. It is not to be considered as a guarantee of the products properties. Disclaim: The information in this MSDS is meant as a description of the safety requirements of our product.