

Material Safety Data Sheet

D(+)-RIBONIC ACID GAMMA-LACTONE, 96%

Section 1 - Chemical Product and Company Identification

MSDS Name: D(+)-RIBONIC ACID GAMMA-LACTONE, 96% Catalog Numbers: 22783-0000, 22783-0100, 22783-0250

Synonyms:

Acros Organics BVBA

Company Identification: Janssen Pharmaceuticalaan 3a

2440 Geel, Belgium

Company Identification: (USA)

Acros Organics
One Reagent Lane

Fair Lawn, NJ 07410

703-527-3887

For information in the US, call:

For information in Europe, call:

Emergency Number, Europe:

Emergency Number US:

CHEMTREC Phone Number, US:

800-ACROS-01

+32 14 57 52 11

+32 14 57 52 99

201-796-7100

800-424-9300

Section 2 - Composition, Information on Ingredients

CAS# Chemical Name: % EINECS#

5336-08-3 D(+)-RIBONIC ACID GAMMA-LACTONE 96% 226-256-5

Hazard Symbols: None listed Risk Phrases: None listed

CHEMTREC Phone Number, Europe:

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Not available

Potential Health Effects

The toxicological properties of this substance have not been fully investigated.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower eyelids.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately.

Notes to Physician:

Section 5 - Fire Fighting Measures

General As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved

or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by

thermal decomposition or combustion.

Extinguishing Media:

Information:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Section 6 - Accidental Release Measures

General

Use proper personal protective equipment as indicated in Section 8.

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then

Spills/Leaks:

place into a suitable container for disposal.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes,

skin, and clothing. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Keep container closed when not in use.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits

CAS# 5336-08-3:

Personal Protective Equipment

Eyes: Wear safety glasses and chemical goggles if splashing is possible. Wear safety glasses and chemical goggles if splashing is possible. Skin: Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators:

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the

positive pressure mode with emergency escape provisions.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder Color: white to off-white Odor: Not available pH: Not available

Vapor Pressure: Not available Viscosity: Not available Boiling Point: Not available

Freezing/Melting Point: 83.00 - 85.00 deg C

Autoignition Temperature: Not available

Flash Point: Not available

Explosion Limits: Lower: Not available Explosion Limits: Upper: Not available Decomposition Temperature: Not available

Solubility in water: soluble

Specific Gravity/Density:

Molecular Formula: C5H8O5 Molecular Weight: 148.12

Section 10 - Stability and Reactivity

Stable under normal temperatures and pressures. Chemical Stability:

Conditions to Avoid: Incompatible materials, strong oxidants.

Incompatibilities with Other Materials Strong oxidizing agents.

Hazardous Decomposition Products Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization Has not been reported.

Section 11 - Toxicological Information

CAS# 5336-08-3: None listed RTECS#:

LD50/LC50: RTECS: Not available.

Carcinogenicity: D(+)-RIBONIC ACID GAMMA-LACTONE - Not listed as a carcinogen by ACGIH, IARC, NTP, or

CA Prop 65.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

IATA IMO

RID/ADR

Shipping Name: Not available Not available Not available

Hazard Class: UN Number: Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 5336-08-3: Not available

Canada

US Federal

TSCA

CAS# 5336-08-3 is not listed on the TSCA Inventory. It is for research and development use only.

Section 16 - Other Information

MSDS Creation Date: 7/16/1996 Revision #0 Date Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility 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 the company 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 the company has been advised of the possibility of such damages.
