



SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2018

Date Updated: August 16, 2018

SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION-----

Product Name Mucic acid
Product Code(s) MD1225
Recommended Use For Laboratory Research Use Only
Not for Human or Animal Drug Use

Supplier Bio Basic Inc.
Address 20 Konrad Crescent, Markham, Ontario,
Canada, L3R 8T4

Telephone (905) 474 4493
Fax (905) 474 5794
For Chemical Emergency Phone# (416) 995 9730

SECTION 2. ----- HAZARDS IDENTIFICATION -----

GHS Classification: Not a hazardous substance or mixture.

HMS Classification: Health hazard 0,
Flammability 0,
Physical hazards 0

NFPA Rating: Health hazard 0,
Fire 0,
Reactivity hazard 0

Potential Health Effects:

Eye: Risk of serious damage to eyes.
Skin: Harmful in contact with skin.
Ingestion: Harmful if swallowed.
Inhalation: Harmful by inhalation.

SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	CAS-No	Weight %
Mucic acid	208-404-0	526-99-8	<100

SECTION 4. ----- FIRST-AID MEASURES-----

Eyes: rinse immediately with plenty of water and seek medical advice.
Skin: Rinse with plenty of soap & water and seek medical advice.
Ingestion: Do not induce vomiting without medical advice. Rinse with water. Consult physician.
Inhalation: Move to fresh air. Consult a physician.
Notes to Physician: Treat symptomatically and supportively.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

General Information: 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.

Special Hazards Arising: Carbon oxides.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Flash Point: Not available.

Auto-ignition Temperature: Not available.

Explosion Limits: Not available.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

General Information: Use proper PPE as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

SECTION 7. ----- HANDLING AND STORAGE-----

Handling: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower. Use adequate ventilation to keep airborne concentrations low.

Chemical Name

ACGIH

NIOSH

OSHA – Final/Vacated PEL's

Mucic Acid

None listed

None listed

None listed

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

State: Crystalline powder

Appearance: Slightly beige

Odor: None

Melting Point: 220-225°C

pH: No data.

Vapor Pressure & Density: No data

Evaporation Rate: No data.

Viscosity: No data.

Boiling Point: No data.

Decomp. Temp.: No data.

Solubility: No data

Density: No data.

SECTION 10. ----- STABILITY AND REACTIVITY -----

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: Incompatible material, dust generation, excess heat, strong oxidants.

Incompatibilities: Oxidizing agents.

Hazardous Decomposition Products: see section 5

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

RTECS: LW5180000

LD50/LC50: Oral, mouse: LD50 = 8 gm/kg.

Carcinogenicity: CAS# 526-99-8: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

PBT and vPvB assessment

No data available

Other adverse effects

No data available

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

SECTION 14. ----- TRANSPORT INFORMATION -----

TDG (Canada)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15. ----- REGULATORY INFORMATION -----

SARA 311/312: None

SARA Section 302 Extremely Hazardous Substances None of the chemicals in this product have a TPQ.

Section 313 No chemicals are reportable under Section 313.

STATE CAS# 526-99-8 is not present on state lists from CA, MN, MA, FL.

Pennsylvania Right to Know: Galactaric acid CAS#526-99-8

NJ Right to Know:Galactaric acid CAS#526-99-8

California Prop.65 components: None of the chemicals are known to cause cancer, birth defects, or any other reproductive harm.

EUROPEAN/INTERNATIONAL REGULATIONS European Labeling in Accordance with EC Directives

Hazardous Symbols: Not available.

WGK (Water Danger/Protection) CAS# 526-99-8: No information available.

Canada - DSL/NDSL CAS# 526-99-8 is listed on Canada's DSL List.

Canada – WHMIS: Not available. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contain all of the information required by those regulations.

CAS# 526-99-8 is not listed on Canada's Ingredient Disclosure List.

SECTION 16. ----- OTHER INFORMATION-----

Further information: no limited for paper copy, just for internal uses.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS