

SAFETY DATA SHEET

GLUCONOLACTONE & SODIUM BENZOATE

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Gluconolactone & Sodium Benzoate

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012).

GHS Label element

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200 (HazCom2012). Based on available data, the classification criteria are not met. Handle in accordance with good industrial hygiene and safety practice.

Precautionary statements:

Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P270 Do not eat, drink or smoke when using this product.

Response:

P314 Get medical advice/ attention if you feel unwell.

Storage:

P410 + P403 Protect from sunlight. Store in a well-ventilated place.
P402 + P404 Store in a dry place. Store in a closed container.

Disposal:

P501 Dispose of contents/container in accordance with local regulation.

Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

*This information is proprietary and confidential information to Natural Bulk Supplies. If further information is required, please contact Natural Bulk Supplies' Regulatory Department.

4. FIRST AID MEASURES

If inhaled:

No special precautions required.

In case of skin contact:

After contact with skin, wash immediately with plenty of soap and water. If skin irritation persists, call a physician.

In case of eye contact:

Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.

If swallowed:

If swallowed, do not induce vomiting - seek medical advice. Immediately give large quantities of water to drink. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed:

No information available.

Notes to physician:

No information available

5. FIRE FIGHTING MEASURES

Suitable Extinguishing media:

Dry powder, Water spray, Foam

Specific hazards during firefighting:

Heating or fire can release toxic gas.

Further information:

Use water spray to cool unopened containers.

Special protective equipment for firefighters:

In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Environmental precautions

General Advice

Prevent product from entering drains

Methods and materials for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. HANDLING AND STORAGE

Advice on safe handling

No special precautions required

Conditions for safe storage

Keep container tightly closed.

Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Personal protective equipment

Respiratory protection:

No personal respiratory protective equipment normally required.

Hand protection

Remarks:

Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection:

Safety glasses with side-shields

Skin and body protection:

Wear suitable protective clothing and gloves.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Powder
Colour:	White
Odour:	Mild
Odour Threshold:	No data available
pH:	No data available
Melting point/range:	No data available
Boiling point/boiling range:	No data available
Flash point:	> 93.34 °C
Evaporation rate:	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	No data available
Relative density:	No data available
Density:	No data available
Solubility(ies)	
Water solubility:	Soluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, dynamic:	No data available
Viscosity, kinematic:	No data available

10. STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

Stable under normal conditions.

Conditions to avoid

No data available.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Nitrogen oxides (NO_x) Carbon oxides

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Ingestion
Eyes
Skin

Skin corrosion/irritation:

Non irritant
Exposure time: 15 min
Method: EPISKIN Human Skin Model Test

Acute toxicity

Acute oral toxicity (LD50):

> 2,000 mg/kg Species: Rat
Method: OECD Test Guideline 401
Test substance: see user defined free text

Germ cell mutagenicity

Genotoxicity in vitro:

negative
Ames test, Salmonella typhimurium
Metabolic activation: yes
Remarks: Literary reference
negative
Chromosome aberration test in vitro, Chinese hamster lung cells
Metabolic activation: no
Remarks: Literary reference

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxicity to fish

Remarks: no data available

Persistence and degradability Biodegradability

Remarks: no data available

Bioaccumulative potential Bioaccumulation

Remarks: no data available

Mobility in soil

Distribution among environmental compartments
Remarks: no data available

Other adverse effects:

Results of PBT and vPvB assessment:

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Additional ecological information:

Information given is based on data on the components and the ecotoxicology of similar products.

Ecotoxicity Toxicity to fish (LC50):

360 mg/l

Species: *Leuciscus idus* (Golden orfe)

Acute toxicity

Exposure time: 48 h

Method: DIN 38412 Part 15

Toxicity to daphnia and other aquatic invertebrates (EC50):

305 mg/l

Species: *Daphnia magna* (Water flea)

Immobilization Exposure time: 24 h

Method: OECD Test Guideline 202

Toxicity to algae (ErC50):

> 500 mg/l Species: *Scenedesmus capricornutum* (fresh water algae)

End point: Growth rate

Exposure time: 72 h

Method: DIN 38412

Toxicity to bacteria (EC0):

> 500 mg/l

Species: *Pseudomonas putida*

Growth inhibition

Exposure time: 16 h

Test Type: Growth inhibition

Method: DIN 38412 Part 8

Persistence and degradability Biodegradability:

Test Type: Closed Bottle test

Result: Readily biodegradable

Biodegradation: 71 %

Exposure time: 5 Days

Method: OECD Test Guideline 301D

Test Type: Zahn-WellensTest

Result: Biodegradable
Biodegradation: 98 %
Exposure time: 2 Days
Method: OECD Test Guideline 302 B
Test substance: see user defined free text

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Disposal methods Waste from residues:

Dispose of in accordance with local regulations.

Contact waste disposal services.

14. TRANSPORT INFORMATION

IATA

Not dangerous goods

UN number

Not applicable

Proper shipping name

Not applicable

Transport hazard class

Not applicable

Packing group

Not applicable

Environmental hazards

No

IMDG

Not dangerous goods

UN number

Not applicable

Proper shipping name

Not applicable

Transport hazard class

Not applicable

Packing group

Not applicable
Environmental hazards
Marine pollutant: no

ADR
Not dangerous goods
UN number
Not applicable
Proper shipping name
Not applicable
Transport hazard class
Not applicable
Packing group
Not applicable
Environmental hazards
No

RID
Not dangerous goods
UN number
Not applicable
Proper shipping name
Not applicable
Transport hazard class
Not applicable
Packing group
Not applicable
Environmental hazards
No

DOT
Not dangerous goods
UN number
Not applicable
Proper shipping name
Not applicable
Transport hazard class
Not applicable
Packing group
Not applicable
Environmental hazards
No

TDG
Not dangerous goods
UN number

Not applicable
Proper shipping name
Not applicable
Transport hazard class
Not applicable
Packing group
Not applicable
Environmental hazards
No

Special precautions for user:
none

Transport in bulk according to An-nex II of MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION

WHMIS Classification:
Not a controlled Product

PCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards:

No SARA Hazards

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know

No components are subject to the New Jersey Right to Know Act.

The components of this product are reported in the following inventories: TSCA: All components of this product are listed on the EPA TSCA 8(b) inventory list.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)



16. OTHER INFORMATION

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