

**Geogard™ Ultra**

Version 1.0

MSDS Number: 000000004096

Revision Date: 2015.05.20

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**SECTION 1. IDENTIFICATION**

Product name : Geogard™ Ultra

Product code : 000000004096

**Manufacturer or supplier's details**

Company : **Lonza Inc.**  
90 Boroline Road  
Allendale, NJ 07401  
USA  
Business Telephone 1-201-316-9200

**Lonza Inc.**  
1200 Bluegrass Lakes Pkwy  
Alpharetta, GA 30004  
USA  
Business Telephone 1-678-624-5800

E-mail address : prodinfo@lonza.com

Emergency telephone number : +41 61 313 94 94 (24h )

For US only CHEMTREC 1-800-424-9300

**Recommended use of the chemical and restrictions on use**Recommended use : Conservation agent (preservative) for cosmetics

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**SECTION 2. HAZARDS 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.

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**Other hazards**

None known.

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

Substance / Mixture : Mixture

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
D-Glucono-1,5-lactone	90-80-2	74.25<=
Sodium benzoate	532-32-1	24.75<=
Calcium gluconate	299-28-5	1.00<=

**SECTION 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.

**SECTION 5. FIREFIGHTING 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.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency proce- : Use personal protective equipment.

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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.
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**SECTION 7. HANDLING AND STORAGE**

- Advice on safe handling : No special precautions required.
- Conditions for safe storage : Keep container tightly closed.  
To maintain product quality, do not store in heat or direct sunlight.  
Keep in a dry, cool and well-ventilated place.
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**SECTION 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.
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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : powder
- Colour : white
- Odour : mild
- Odour Threshold : no data available
- pH : no data available

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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

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**SECTION 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 prod- ucts	: Nitrogen oxides (NOx) Carbon oxides

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**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure	: Inhalation Ingestion Eyes
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Skin

**Skin corrosion/irritation**

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

**The following toxicological data refer to:****D-Glucono-1,5-lactone** (CAS-No.: 90-80-2)**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: yesRemarks: Literary reference

negative  
 Chromosome aberration test in vitro, Chinese hamster lung cells  
 Metabolic activation: noRemarks: Literary reference

**SECTION 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.

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**The following ecotoxicological data refer to:****D-Glucono-1,5-lactone** (CAS-No.: 90-80-2)**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-Wellens Test  
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

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**Other adverse effects**no data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.  
Contact waste disposal services.

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**SECTION 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

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**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 Annex II of MARPOL 73/78 and the IBC Code** : Not applicable

**SECTION 15. REGULATORY INFORMATION**

**WHMIS Classification** : Not a controlled Product

**EPCRA - 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.

**Massachusetts Right To Know**

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

**Pennsylvania Right To Know**



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No components are subject to the Pennsylvania Right to know act

**Pennsylvania Right To Know**

Calcium gluconate	299-28-5	90 - 100 %
Sodium benzoate	532-32-1	90 - 100 %
D-Glucono-1,5-lactone	90-80-2	90 - 100 %

**New Jersey Right To Know**

No components are subject to the New Jersey Right to know act

**New Jersey Right To Know**

Calcium gluconate	299-28-5	90 - 100 %
Sodium benzoate	532-32-1	90 - 100 %
D-Glucono-1,5-lactone	90-80-2	90 - 100 %

**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)

**SECTION 16. OTHER INFORMATION**

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The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.