

## Lonzagard DC-103

Version 1.1

SDS Number: 000000011631

Revision Date: 2018.01.25

**SECTION 1. IDENTIFICATION**

Product name : Lonzagard DC-103

Product code : 000000011631

**Manufacturer or supplier's details**

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

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 : Biocides

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200

**GHS label elements**

Not a hazardous substance or mixture according to US Regulation 29 CFR 1910.1200

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.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P314 Get medical advice/ attention if you feel unwell.  
**Storage:**  
P402 + P404 Store in a dry place. Store in a closed container.  
P410 + P403 Protect from sunlight. Store in a well-ventilated place.  
**Disposal:**  
P501 Dispose of contents/container in accordance with local regulation.

**Other hazards**

None known.

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

Chemical name	CAS-No.	Concentration (%)
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	68424-95-3	< 0.10
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	< 0.10

**SECTION 4. FIRST AID MEASURES**

If inhaled	: Move to fresh air. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	: Wash with water and soap as a precaution. If on clothes, remove clothes. In the case of skin irritation or allergic reactions see a physician.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	: No information available.
Notes to physician	: Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Water spray Alcohol-resistant foam Dry chemical
Unsuitable extinguishing media	: High volume water jet
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. Use personal protective equipment.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective	: Use personal protective equipment.
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equipment and emergency procedures

Environmental precautions

General advice : Try to prevent the material from entering drains or water courses.

Methods and materials for containment and cleaning up : Neutralise with acid.  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : No special precautions required.

Conditions for safe storage : Keep container tightly closed.  
Keep in a well-ventilated place.  
Electrical installations / working materials must comply with the technological safety standards.  
To maintain product quality, do not store in heat or direct sunlight.

Materials to avoid : No special restrictions on storage with other products.  
Do not store near acids.

**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 protective gloves. Break through time : > 480 min

Eye protection : Safety glasses

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : no data available

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Odour	: None known.
Odour Threshold	: no data available
pH	: 11
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: > 93.34 °C
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: not determined
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 Viscosity, dynamic	: no data available
Viscosity, kinematic	: not determined
Explosive properties	: No hazards to be specially mentioned.
Oxidizing properties	: no data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: None known.Stable under normal conditions.

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Stable under recommended storage conditions.  
No hazards to be specially mentioned.

Conditions to avoid	:	Heat
Incompatible materials	:	Strong acids and strong bases Oxidizing agents
Hazardous decomposition products	:	No decomposition if used as directed.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure	:	Inhalation Ingestion Eyes Skin
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**Acute toxicity**

Acute oral toxicity (LD50)	:	> 5,000 mg/kg
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Acute dermal toxicity (LD50)	:	> 2,000 mg/kg Species: Rabbit
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**Skin corrosion/irritation**

Skin irritation	:	non irritant Species: Rabbit
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**Serious eye damage/eye irritation**

Eye irritation	:	minimal irritant Species: Rabbit
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**Respiratory or skin sensitisation**

Sensitisation	:	Remarks: no data available
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**Germ cell mutagenicity**

Genotoxicity in vitro	:	Remarks: no data available
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**Carcinogenicity**

Carcinogenicity	:	Result: no data available
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**Reproductive toxicity**

Effects on fertility	:	Remarks: no data available
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**STOT - single exposure**

Remarks: no data available

**STOT - repeated exposure**

Remarks: no data available

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**Aspiration toxicity**

No aspiration toxicity classification

**Further information**Remarks: no data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

Toxicity to fish : Remarks: no data available

**Persistence and degradability**

Biodegradability : Result: no data available

**Bioaccumulative potential**

Bioaccumulation : Remarks: no data available

**Mobility in soil**

Distribution among environmental compartments : Remarks: no data available

**Other adverse effects**Additional ecological information : There is no data available for this product.  
no data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**Waste from residues : Dispose of in accordance with local regulations.  
Dispose of contents/container in accordance with local regulation.  
Contact waste disposal services.  
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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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

**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

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<b>TDG</b>	:	Not dangerous goods
<b>UN number</b>	:	Not applicable
<b>Proper shipping name</b>	:	Not applicable
<b>Transport hazard class</b>	:	Not applicable
<b>Packing group</b>	:	Not applicable
<b>Environmental hazards</b>	:	no
<b>Special precautions for user</b>	:	none
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	:	Not applicable

**SECTION 15. REGULATORY INFORMATION**

**This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.**

Signal word	:	CAUTION!
Hazard statements	:	Causes moderate eye irritation. Avoid contact with skin and clothing.
EPA No.	:	6836-152

**EPCRA - Emergency Planning and Community Right-to-Know Act****SARA 311/312 Hazards**

See above: SECTION 2. Hazard Identification-GHS Classification

**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

**California Prop. 65**



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This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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**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.