

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### AccuGENE® 5 M Sodium Chloride

Version 3.0

Revision Date 16.04.2024

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#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : AccuGENE® 5 M Sodium Chloride

Material number : 51202

##### Manufacturer or supplier's details

Company : Capsugel Australia Pty Ltd.  
Suite 610, 12 Century Circuit,  
Norwest NSW 2153  
Australia

Lonza Ltd  
Muenchensteinerstrasse 38  
CH-4002 Basel  
Switzerland

Telephone : Tel +61 3 9550 0883

Telefax : Tel +61 3 9550 0890

E-mail address : sds@lonza.com

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

##### Recommended use of the chemical and restrictions on use

Recommended use : For research use only.

Restrictions on use : NOT FOR USE IN GMP MANUFACTURING, NOR HUMAN  
OR ANIMAL IN VIVO OR DIAGNOSTIC USE.

#### SECTION 2. HAZARDS IDENTIFICATION

##### GHS Classification

Not a hazardous substance or mixture.

##### GHS label elements

Not a hazardous substance or mixture.

##### Other hazards which do not result in classification

No information available.

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

Substance / Mixture : Mixture

##### Hazardous components

No hazardous ingredients

## AccuGENE® 5 M Sodium Chloride

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### SECTION 4. FIRST AID MEASURES

|   |   |
|---|---|
| If inhaled  | : No special precautions required.  |
| In case of skin contact                                     | : Wash with water and soap as a precaution.<br>If skin irritation persists, call a physician.         |
| In case of eye contact                                      | : Immediately flush eye(s) with plenty of water.<br>If eye irritation persists, consult a specialist. |
| If swallowed  | : No hazards which require special first aid measures.<br>Get medical attention if symptoms occur.    |
| Most important symptoms and effects, both acute and delayed | : No information available.   |
| Notes to physician  | : No information available.   |

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### SECTION 5. FIREFIGHTING MEASURES

|   |  |
|---|--|
| Suitable extinguishing media                  | : Water spray<br>Dry powder<br>Foam                              |
| Hazardous combustion products                 | : Sodium oxides<br>Hydrogen chloride (HCl)                       |
| Specific extinguishing methods                | : Use water spray to cool unopened containers.                   |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

|   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.                    |
| Environmental precautions   | : No special environmental precautions required.        |
| Methods and materials for containment and cleaning up               | : Wipe up with absorbent material (e.g. cloth, fleece). |

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### SECTION 7. HANDLING AND STORAGE

|   |  |
|---|--|
| Advice on protection against fire and explosion | : Take precautionary measures against static discharges.                 |
| Advice on safe handling                         | : No special precautions required.                                       |
| Hygiene measures                                | : Handle in accordance with good industrial hygiene and safety practice. |

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Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Use only in area provided with appropriate exhaust ventilation.

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Material : Nitrile rubber

Rate of permeability : > 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.  
No special protective equipment required.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : colourless

Odour : No data available

Odour Threshold : No data available

pH : 6 - 8 (20 °C)  
Concentration: 20 g/l

Melting point/freezing point : No data available

Initial boiling point and boiling range : No data available

Flash point : does not flash

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Flammability (liquids) : No data available

Upper explosion limit / Upper flammability limit : No data available

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|  |   |                        |
|--|---|------------------------|
| Lower explosion limit / Lower flammability limit | : | No data available      |
| Vapour pressure                                  | : | No data available      |
| Relative vapour density                          | : | No data available      |
| Relative density                                 | : | No data available      |
| Density  | : | 1,19 g/cm <sup>3</sup> |
| Water solubility                                 | : | No data available      |
| 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 products   | : | No decomposition if stored normally.         |

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

|                           |   |                            |
|---------------------------|---|----------------------------|
| Acute oral toxicity       | : | Remarks: No data available |
| Acute inhalation toxicity | : | Remarks: No data available |
| Acute dermal toxicity     | : | Remarks: No data available |

**Skin corrosion/irritation**

|         |   |                   |
|---------|---|-------------------|
| Remarks | : | No data available |
|---------|---|-------------------|

**Serious eye damage/eye irritation**

|         |   |                   |
|---------|---|-------------------|
| Remarks | : | No data available |
|---------|---|-------------------|

**Respiratory or skin sensitisation**

|         |   |                   |
|---------|---|-------------------|
| Remarks | : | No data available |
|---------|---|-------------------|

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### Germ cell mutagenicity

Genotoxicity in vitro : Remarks: No data available

### Carcinogenicity

Remarks : No data available

### Reproductive toxicity

Effects on fertility : Remarks: No data available

### STOT - single exposure

Remarks : No data available

### STOT - repeated exposure

Remarks : No data available

### Further information

Remarks : No data is available on the product itself.  
Health injuries are not known or expected under normal use.

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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 : No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

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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

**IMDG** Not dangerous goods

**UN number** : Not applicable  
**Proper shipping name** : Not applicable  
**Transport hazard class(es)** : 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

**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

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Therapeutic Goods (Poisons Standard) Instrument**

Not applicable

### SECTION 16. OTHER INFORMATION

**Revision Date** : 16.04.2024

**Date format** : dd.mm.yyyy

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### Full text of other abbreviations

AIIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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