

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

AXCELA™

Version 1.2 / EN  
Revision Date 28.08.2015  
Print Date 04.04.2016

---

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Substance name : AXCELA™

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Molluscicide

#### 1.3 Details of the supplier of the safety data sheet

Company : Lonza Ltd  
Muenchensteinerstrasse 38  
CH-4002 Basel, Switzerland  
Telephone: +41 61 316 81 11  
E-mail address : proinfo@lonza.com  
Responsible/issuing person

#### 1.4 Emergency telephone number

Lonza Ltd, CH-4002 Basel, Switzerland  
Telephone: +41 61 313 94 94 (24h)

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
Based on available data, the classification criteria are not met.

67/548/EEC / 1999/45/EC

According to present data no classification and labelling is required according to Directives 67/548/EEC or 1999/45/EC.

AXCELA™

**2.2 Label elements****Labelling according to EC Directives**

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

## Supplemental Hazard Statements

EUH210 : Safety data sheet available on request.

## Precautionary statements

- P101 : If medical advice is needed, have product container or label at hand.  
P102 : Keep out of reach of children.  
P270 : Do not eat, drink or smoke when using this product.  
P280 : Wear protective gloves.

67/548/EEC / 1999/45/EC

## S-phrases(s)

- S 2 : Keep out of the reach of children.  
S13 : Keep away from food, drink and animal feedingstuffs.  
S20/21 : When using do not eat, drink or smoke.  
S29/35 : Do not empty into drains; dispose of this material and its container in a safe way.  
SP 1 : Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).  
SPe 6 : To protect birds/wild mammals remove spillages.

**2.3 Other hazards**

General advice : No information available.

---

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

Substances / Mixtures : Mixture

AXCELA™

## Hazardous components

### 2,4,6,8-Tetramethyl-1,3,5,7-tetraoxacyclooctane

CAS-No.	EC-No. / Registration number	Classification	Concentration
108-62-3 (37273-91-9, 9002-91-9)	203-600-2	Flam. Sol.; 2; H228 Acute Tox.; 3; H301  F, Xn; R11, R22	ca. 3 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the R-phrases mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Inhalation	: No special precautions required.
Skin contact	: After contact with skin, wash immediately with plenty of soap and water. In the case of skin irritation or allergic reactions see a physician.
Eye contact	: Immediately flush eye(s) with plenty of water. If eye irritation persists, consult a specialist.
Ingestion	: If accidentally swallowed obtain immediate medical attention. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms	: No information available.
----------	-----------------------------

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: No information available.
-----------	-----------------------------

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	: Dry powder, Water, Foam
------------------------------	---------------------------

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	: Heating or fire can release toxic gas.
--------------------------------------	--

AXCELA™

**5.3 Advice for firefighters**

- Special protective equipment for firefighters : Use personal protective equipment.  
Further information : Use water spray to cool unopened containers.

---

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

- Personal precautions : Avoid dust formation. Use personal protective equipment.

**6.2 Environmental precautions**

- Environmental precautions : Prevent product from entering drains.

**6.3 Methods and materials for containment and cleaning up**

- Methods for cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.

**6.4 Reference to other sections**

- Additional advice : For personal protection see section 8.

---

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

- Advice on safe handling : Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.  
Advice on protection against fire and explosion : No special precautions required.

**7.2 Conditions for safe storage, including any incompatibilities**

- Requirements for storage areas and containers : Keep in a dry, cool place. Store in original container.  
Further information on storage conditions : Keep container tightly closed. Keep away from food, drink and animal feedingstuffs.

AXCELA™

**7.3 Specific end use(s)**

Specific use(s) : No information available.

---

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls****Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.  
Hand protection : Suitable material : Nitrile rubber  
Break through time : > 480 min  
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 : No special precautions required.

Skin and body protection : No special protective equipment required.

Hygiene measures : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**Environmental exposure controls**

General advice : Prevent product from entering drains.

---

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form : pellets

Physical state : solid

Colour : blue

Odour : odourless

pH : 6,9

Melting point/range : Not applicable

Boiling point/boiling range : Not applicable

Flammability : not highly flammable  
Method: Flammability (solids)

**AXCELA™**

Bulk density	:	0,84 g/ml
Water solubility	:	practically insoluble
Auto-flammability	:	299 °C Auto-ignition temperature
		Method: Relative self-ignition temperature for solids

**9.2 Other information**

no data available

---

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Stable under recommended storage conditions.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

None known. Stable under normal conditions.

**10.4 Conditions to avoid**

no data available

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

No decomposition if stored normally.

---

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Acute oral toxicity (LD50)	:	> 2 000 mg/kg Species: Rat Method: OECD Test Guideline 423
Acute dermal toxicity (LD50)	:	> 2 000 mg/kg Species: Rat Method: OECD Test Guideline 402

## AXCELA™

Skin irritation	: non irritant Species: Rabbit Exposure time: 4 h Method: OECD Test Guideline 404
Eye irritation	: mild irritant Species: Rabbit Method: OECD Test Guideline 405
Sensitisation	: not sensitizing Species: Guinea pig Maximisation Test (GPMT) Method: OECD Test Guideline 406

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (LC50)	: > 100 mg/l Species: Cyprinus carpio (Carp) Acute toxicity Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to algae (EC50)	: > 1 000 mg/l Species: Pseudokirchneriella subcapitata (green algae) Growth inhibition Exposure time: 72 h Method: MAFF, Japan

### 12.2 Persistence and degradability

Biodegradability	: no data available
------------------	---------------------

### 12.3 Bioaccumulative potential

Bioaccumulation	: no data available
-----------------	---------------------

### 12.4 Mobility in soil

Behaviour in environmental compartments	: no data available
---	---------------------

### 12.5 Results of PBT and vPvB assessment

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).
------------	--

AXCELA™

## 12.6 Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- Product : Dispose of in accordance with local regulations.  
Contact waste disposal services.
- Contaminated packaging : Dispose of as unused product.

### SECTION 14: Transport information

**IATA** Not dangerous goods

- 14.1 UN number : Not applicable
- 14.2 Proper shipping name : Not applicable
- 14.3 Transport hazard class : Not applicable
- 14.4 Packing group : Not applicable
- 14.5 Environmental hazards : no

**IMDG** Not dangerous goods

- 14.1 UN number : Not applicable
- 14.2 Proper shipping name : Not applicable
- 14.3 Transport hazard class : Not applicable
- 14.4 Packing group : Not applicable
- 14.5 Environmental hazards : Marine pollutant: no

**ADR** Not dangerous goods

- 14.1 UN number : Not applicable
- 14.2 Proper shipping name : Not applicable
- 14.3 Transport hazard class : Not applicable
- 14.4 Packing group : Not applicable
- 14.5 Environmental hazards : no

**RID** Not dangerous goods

- 14.1 UN number : Not applicable
- 14.2 Proper shipping name : Not applicable
- 14.3 Transport hazard class : Not applicable
- 14.4 Packing group : Not applicable
- 14.5 Environmental hazards : no

**DOT** : Not dangerous goods

- 14.1 UN number : Not applicable
- 14.2 Proper shipping name : Not applicable
- 14.3 Transport hazard class : Not applicable
- 14.4 Packing group : Not applicable
- 14.5 Environmental hazards : no



AXCELA™

<b>TDG</b>	:	Not dangerous goods
<b>14.1 UN number</b>	:	Not applicable
<b>14.2 Proper shipping name</b>	:	Not applicable
<b>14.3 Transport hazard class</b>	:	Not applicable
<b>14.4 Packing group</b>	:	Not applicable
<b>14.5 Environmental hazards</b>	:	no
<b>14.6 Special precautions for user</b>	:	none
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	:	Not applicable

## SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 15.2 Chemical Safety Assessment

not required

## SECTION 16: Other information

### Full text of H-Statements

H228	Flammable solid.
H301	Toxic if swallowed.

### Full text of R-Phrases

R11	Highly flammable.
R22	Harmful if swallowed.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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.