

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### GelBond® PAG Film

Version 2.0

Revision Date 29.06.2021

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#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : GelBond® PAG Film

Material number : 54731

##### 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 : Scientific research and development

#### 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

#### SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.  
If symptoms persist, call a physician.

In case of skin contact : After contact with skin, wash immediately with plenty of soap and water.

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|   |   |
|---|---|
|   | In the case of skin irritation or allergic reactions see 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  | : If accidentally swallowed obtain immediate medical attention.<br>Clean mouth with water and drink afterwards plenty of water.<br>Do not induce vomiting without medical advice.<br>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.   |

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### SECTION 5. FIREFIGHTING MEASURES

|   |  |
|---|--|
| Suitable extinguishing media                  | : Water spray<br>Dry powder<br>Foam                              |
| Hazardous combustion products                 | : No hazardous combustion products are known                     |
| 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 | : Avoid dust formation.<br>Use personal protective equipment.                    |
| Environmental precautions   | : 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 protection against fire and explosion | : Avoid dust formation.<br>Take precautionary measures against static discharges.                                     |
| Advice on safe handling                         | : No special precautions required.  |
| Hygiene measures                                | : Avoid contact with skin, eyes and clothing.<br>Wash hands before breaks and immediately after handling the product. |
| Conditions for safe storage                     | : No special storage conditions required.   |

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Engineering measures** : none

**Personal protective equipment**

Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.

Hand protection

Material : Nitrile rubber  
Rate of permeability : > 480 min

Eye protection : Safety glasses with side-shields

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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : gel  
Colour : clear  
Odour : no data available  
Odour Threshold : no data available  
pH : Not applicable  
Melting point/freezing point : no data available  
Initial boiling point and boiling range : no data available  
Flash point : no data available  
Evaporation rate : no data available  
Flammability (solid, gas) : no data available  
Flammability (liquids) : no data available  
Upper explosion limit / upper flammability limit : Not applicable  
Lower explosion limit / Lower flammability limit : Not applicable  
Vapour pressure : no data available

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|  |   |                   |
|--|---|-------------------|
| Relative vapour density                | : | Not applicable    |
| Relative density                       | : | no data available |
| Density                                | : | no data available |
| Water solubility                       | : | no data available |
| Partition coefficient: n-octanol/water | : | no data available |
| Auto-ignition temperature              | : | Not applicable    |
| Decomposition temperature              | : | no data available |
| Viscosity, dynamic                     | : | no data available |
| Viscosity, kinematic                   | : | Not applicable    |

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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

#### **Germ cell mutagenicity**

|                       |   |                            |
|-----------------------|---|----------------------------|
| Genotoxicity in vitro | : | Remarks: no data available |
|-----------------------|---|----------------------------|

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### **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.

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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 : Contact waste disposal services.  
Dispose of contents/container in accordance with local regulation.

Contaminated packaging : Dispose of as unused product.

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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

**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**

**Standard for the Uniform Scheduling of Medicines and Poisons**

Not applicable

### SECTION 16. OTHER INFORMATION

**Further information**

Revision Date : 29.06.2021

Other information :

**Full text of other abbreviations**

AIIC - 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  
Date format : dd.mm.yyyy

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