

## SAFETY DATA SHEET

according to Work Health and Safety Regulations 2011

### Gel Slick™ Solution

Version 2.0

Revision Date 29.06.2021

Print Date 05.10.2022

#### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Gel Slick™ Solution

Material number : 50640

#### 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

Flammable liquids : Category 2

Serious eye damage/eye irritation : Category 2A

##### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

Precautionary statements :

##### Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

## Gel Slick™ Solution

P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ eye protection/ face protection.

### Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 If eye irritation persists: Get medical advice/ attention.  
 P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

### Disposal:

P501 Dispose of contents/ container to a local hazardous waste disposal facility.

### Other hazards which do not result in classification

No information available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Ethanol	64-17-5	>= 70 - < 90
Propan-2-ol	67-63-0	>= 5 - < 10
Ethyl hydrogen sulphate	540-82-9	>= 1 - < 3

## SECTION 4. FIRST AID MEASURES

- If inhaled : If breathed in, move person into fresh air. Get medical attention immediately if irritation develops and persists.
- 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 : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : Do not induce vomiting without medical advice. Immediately give large quantities of water to drink. Call a physician immediately. 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.

## Gel Slick™ Solution

---

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry powder  
Water spray  
Foam
- Hazardous combustion products : Sodium oxides  
Carbon oxides (Cox)  
Sulphur oxides (SOx)
- 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.
- 

### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use respirator when performing operations involving potential exposure to vapour of the product.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : 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 protection against fire and explosion : Highly flammable.  
Keep away from sources of ignition - No smoking.  
Take precautionary measures against static discharges.
- Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Avoid contact with skin and eyes.
- Hygiene measures : Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the product.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Remove all sources of ignition.
- Recommended storage temperature : 18 - 26 °C
- 

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

## Gel Slick™ Solution

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	TWA	1 000 ppm 1 880 mg/m <sup>3</sup>	AU NOEL
		STEL	1 000 ppm	ACGIH
Propan-2-ol	67-63-0	TWA	400 ppm 983 mg/m <sup>3</sup>	AU NOEL
		STEL	500 ppm 1 230 mg/m <sup>3</sup>	AU NOEL
		TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH

### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Propan-2-ol	67-63-0	Acetone	Urine	Sampling time: End of shift at end of work week.	40 mg/l	ACGIH BEI

**Engineering measures** : Provide sufficient air exchange and/or exhaust in work rooms.

### Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection

Material : Nitrile rubber  
Rate of permeability : > 480 min

Eye protection : Tightly fitting safety goggles

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 : gel

Colour : clear

colourless

Odour : alcohol-like

Odour Threshold : no data available

pH : no data available

Melting point/freezing point : no data available

**Gel Slick™ Solution**

---

Initial boiling point and boiling range	: 76 °C (33,3 hPa)
Flash point	: 18 °C
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
Lower explosion limit / Lower flammability limit	: no data available
Vapour pressure	: 44 hPa (25 °C)
Relative vapour density	: no data available
Relative density	: no data available
Density	: 0,8 g/cm <sup>3</sup> (25 °C)
Water solubility	: completely miscible
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

---

**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	: Keep away from heat and sources of ignition. Exposure to light.
Incompatible materials	: Acids and bases Strong oxidizing agents
Hazardous decomposition products	: No decomposition if stored normally.

---

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Gel Slick™ Solution**

---

**Further information**

Remarks: No data is available on the product itself.

**The following toxicological data refer to:**

Ethanol(CAS-No.: 64-17-5)

**Acute toxicity**

- Acute oral toxicity : LD50 (Rat): > 5 000 mg/kg
- Acute inhalation toxicity : LC50 (Rat): 124,7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403
- LC50 (Rat): 117 - 125 mg/l  
Exposure time: 4 h
- Acute dermal toxicity : Remarks: no data available

**Skin corrosion/irritation**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

**Serious eye damage/eye irritation**

Species: Rabbit  
Result: Moderate eye irritation  
Assessment: Mild eye irritation

**Respiratory or skin sensitisation**

Exposure routes: Dermal  
Species: Mouse  
Result: not sensitizing

**Germ cell mutagenicity**

- Genotoxicity in vitro : Test Type: Ames test  
Result: negative
- : Test Type: gene mutation test  
Species: mouse lymphoma cells  
Result: negative

**Reproductive toxicity**

- Effects on fertility : Remarks: no data available
- Species: Mouse  
Application Route: Oral  
Method: OECD Test Guideline 416

**Repeated dose toxicity**

Species: Rat, male and female

## Gel Slick™ Solution

---

NOAEL: 1 730 mg/kg  
LOAEL: 3 200 mg/kg  
Application Route: Oral  
Exposure time: 14 Weeks

---

### 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

#### Components:

##### Ethanol:

Partition coefficient: n-octanol/water : log Pow: -0,3

##### Propan-2-ol:

Partition coefficient: n-octanol/water : log Pow: 0,05 (25 °C)

#### Mobility in soil

Distribution among environmental compartments : Remarks: no data available

#### Other adverse effects

Additional ecological information : No data is available on the product itself.

---

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

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

Contaminated packaging : Dispose of as unused product.

**Gel Slick™ Solution**

---

**SECTION 14. TRANSPORT INFORMATION****IATA**

**UN number** : 1170  
**Proper shipping name** : Ethanol solution  
**Transport hazard class** : 3  
**Packing group** : II  
**Labels** : 3  
**Environmental hazards** : no

**IMDG**

**UN number** : 1170  
**Proper shipping name** : Ethanol solution  
**Transport hazard class** : 3  
**Packing group** : II  
**Labels** : 3  
**EmS Number 1** : F-E  
**EmS Number 2** : S-D  
**Environmental hazards** : Marine pollutant: no

**ADR**

**UN number** : 1170  
**Proper shipping name** : ETHANOL SOLUTION  
**Transport hazard class** : 3  
**Packing group** : II  
**Classification Code** : F1  
**Hazard Identification Number** : 33  
**Labels** : 3  
**Environmental hazards** : no

**RID**

**UN number** : 1170  
**Proper shipping name** : ETHANOL SOLUTION  
**Transport hazard class** : 3  
**Packing group** : II  
**Classification Code** : F1  
**Hazard Identification Number** : 33  
**Labels** : 3  
**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



## Gel Slick™ Solution

### SECTION 16. OTHER INFORMATION

Revision Date : 29.06.2021

#### Full text of other abbreviations

ACGIH : US. ACGIH Threshold Limit Values  
 ACGIH BEI : US. ACGIH. BEIs. Biological Exposure Indices, as amended  
 AU NOEL : Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A), as amended

ACGIH / STEL : Short term exposure limit  
 ACGIH / TWA : Time weighted average  
 AU NOEL / STEL : Short term exposure limit  
 AU NOEL / TWA : Time weighted average

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

**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.**

AU / EN