

Version 3.0      Revision Date: 04.01.2018      SDS Number: 8493      Date of last issue: -  
Date of first issue: 04.01.2018

---

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

## SUXAMETHONIUM CHLORIDE

Details of the supplier of the safety data sheet : ASTRAZENECA PTY LTD      Emergency Telephone  
PO Box 131      +44 (0) 1235 239 670  
66 Talavera Rd, North Ryde  
NSW 2113  
AUSTRALIA  
+61 2 9978 3500  
  
SafetyDataSheets.AlderleyPark@astrazeneca.com

### Alternative Names

2,2'-succinyldioxybis(ethyltrimethylammonium) dichloride dihydrate  
CAS No. : 6101-15-1

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

Use of the Substance/Mixture : Pharmaceutical active:, Anticholinergic neuro muscular blocking agent

---

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Acute toxicity (Oral) : Category 3

### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H301 Toxic if swallowed.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
**Response:**  
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

May cause skin and eye irritation.  
May cause muscle twitching, stiffness and pain, ocular hypotension, cardiovascular effects including cardiac arrest and respiratory depression.

Version 3.0      Revision Date: 04.01.2018      SDS Number: 8493      Date of last issue: -  
Date of first issue: 04.01.2018

---

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

Substance / Mixture : Substance

**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
Suxamethonium Chloride Dihydrate	6101-15-1	>= 95 <= 100

---

**SECTION 4. FIRST AID MEASURES**

- If inhaled : Remove patient from exposure, keep warm and at rest. Obtain immediate medical attention.
- In case of skin contact : Remove contaminated clothing. After contact with skin, wash immediately with plenty of water. If symptoms (irritation or blistering) occur obtain medical attention.
- In case of eye contact : Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain medical attention.
- If swallowed : Provided the patient is conscious, wash out mouth with water and give 200-300 ml of water to drink. Do NOT induce vomiting as a First-Aid measure. Obtain immediate medical attention.
- Most important symptoms and effects, both acute and delayed : Refer to sections 2 and 11  
Toxic if swallowed.
- Notes to physician : Symptomatic treatment and supportive therapy as indicated. For further information consult the prescribing information.
- 

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : water spray, foam, dry powder or CO<sub>2</sub>.
- Unsuitable extinguishing media : -
- Specific hazards during firefighting : If involved in a fire, it may emit noxious and toxic fumes.
- Special protective equipment for firefighters : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.
- 

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Ensure full personal protection (including respiratory protection) during removal of spillages. See Section 8.
-

Version 3.0      Revision Date: 04.01.2018      SDS Number: 8493      Date of last issue: -  
Date of first issue: 04.01.2018

---

Environmental precautions : Prevent entry into drains, sewers or watercourses.

Methods and materials for containment and cleaning up : Avoid dust generation.  
Moisten spillages with water.  
Transfer to a container for disposal.  
Wash the spillage area with water.

---

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid contact with skin and eyes.  
Avoid inhalation.  
See Section 8.  
The material may form explosible dust-air mixture if dispersed.  
Dust clouds may be extremely sensitive to ignition by electrostatic discharge and other ignition sources. Ensure good earthing of equipment and personnel.

Conditions for safe storage : This material is hygroscopic.  
Keep container tightly closed and dry.  
Keep in a cool place.  
Protect from light.

---

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Atmospheric levels should be controlled using the principles of good occupational hygiene practice as specified in the workplace risk assessment.

### Personal protective equipment

Respiratory protection : Use a negative pressure air purifying respirator (half face mask) with filter class P3 if the risk assessment does not support the selection of other protection.

Eye protection : Use safety glasses to protect against direct contact with the substance if the risk assessment does not support the selection of other protection.

Skin and body protection : Use protective clothing to protect against direct contact with the substance if the risk assessment does not support the selection of other protection. Use impervious protective gloves to protect against direct contact with the substance. If the substance is dissolved or wetted use a glove material that is resistant to the solvent/liquid.

Protective measures : Decisions about whether the use of personal protective equipment (PPE) is appropriate as part of the control strategy should be based on the workplace risk assessment and should take account of local legislative requirements for

Version	Revision Date:	SDS Number:	Date of last issue: -
3.0	04.01.2018	8493	Date of first issue: 04.01.2018

---

selection and use. There are multiple factors that will affect the specific requirements such as amount and concentration of the material, duration of exposure, frequency of exposure, external environmental conditions, the task, the user etc. All the information above should not be used in isolation and should be considered in the context of the workplace risk assessment on a case by case basis.

---

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	solid
Colour	:	white to almost white
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	4 - 5 (0.5% aqueous solution)
Melting point/range	:	156 - 163 °C
Boiling point/boiling range	:	No data available
Flash point	:	No data available
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
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
Solubility(ies)		
Water solubility	:	Freely soluble
Solubility in other solvents	:	Solvent: Ethanol Description: slightly soluble
		Solvent: Diethylether Description: practically insoluble
Partition coefficient: n-	:	No data available

# SAFETY DATA SHEET



Version 3.0      Revision Date: 04.01.2018      SDS Number: 8493      Date of last issue: -  
Date of first issue: 04.01.2018

---

octanol/water

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Molecular weight : 397.3 g/mol

---

## SECTION 10. STABILITY AND REACTIVITY

Reactivity : No known reactivity hazard under normal conditions.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : None known.

Conditions to avoid : Stable under normal conditions.

Incompatible materials : None known.

Hazardous decomposition products : No hazardous decomposition products are known.

---

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Acute toxicity

Toxic if swallowed.

#### **Components:**

#### **Suxamethonium Chloride Dihydrate:**

Acute oral toxicity : Oral Median Lethal Dose (Mouse): 125 mg/kg  
Assessment: The component/mixture is toxic after single ingestion.  
Remarks: May cause muscle twitching, stiffness and pain, ocular hypotension, cardiovascular effects including cardiac arrest and respiratory depression.

Acute inhalation toxicity : Remarks: Adverse effects similar to ingestion may occur following exposure to the dust.

Acute dermal toxicity : Remarks: No information available.

---

Version 3.0      Revision Date: 04.01.2018      SDS Number: 8493      Date of last issue: -  
Date of first issue: 04.01.2018

---

## 11.2 Skin corrosion/irritation

Not classified based on available information.

### Components:

#### **Suxamethonium Chloride Dihydrate:**

Remarks: May cause skin irritation.

## 11.3 Serious eye damage/eye irritation

Not classified based on available information.

### Components:

#### **Suxamethonium Chloride Dihydrate:**

Remarks: May cause eye irritation.

## 11.4 Respiratory or skin sensitisation

### **Skin sensitisation**

Not classified based on available information.

### **Respiratory sensitisation**

Not classified based on available information.

## Chronic toxicity

### 11.5 Germ cell mutagenicity

Not classified based on available information.

#### Components:

#### **Suxamethonium Chloride Dihydrate:**

Germ cell mutagenicity - : No information available.  
Assessment

### 11.6 Carcinogenicity

Not classified based on available information.

#### Components:

#### **Suxamethonium Chloride Dihydrate:**

Carcinogenicity - : No information available.  
Assessment

### 11.7 Reproductive toxicity

Not classified based on available information.

#### Components:

#### **Suxamethonium Chloride Dihydrate:**

Reproductive toxicity - : No information available.  
Assessment

Version 3.0      Revision Date: 04.01.2018      SDS Number: 8493      Date of last issue: -  
Date of first issue: 04.01.2018

---

## 11.8 STOT - single exposure

Not classified based on available information.

### Components:

#### **Suxamethonium Chloride Dihydrate:**

Remarks: No information available.

## 11.9 STOT - repeated exposure

Not classified based on available information.

### Components:

#### **Suxamethonium Chloride Dihydrate:**

Remarks: The repeated and long-term exposure effects of this substance are not known.

## 11.10 Aspiration toxicity

Not classified based on available information.

### Components:

#### **Suxamethonium Chloride Dihydrate:**

No information available.

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

#### **Suxamethonium Chloride Dihydrate:**

Toxicity to fish : Remarks: No information available.

### Persistence and degradability

#### Components:

#### **Suxamethonium Chloride Dihydrate:**

Biodegradability : Remarks: No degradation data available. The substance is assumed not to be rapidly degradable.

### Bioaccumulative potential

#### Components:

#### **Suxamethonium Chloride Dihydrate:**

Bioaccumulation : Remarks: No information available.

### Mobility in soil

#### Components:

#### **Suxamethonium Chloride Dihydrate:**

# SAFETY DATA SHEET



Version 3.0      Revision Date: 04.01.2018      SDS Number: 8493      Date of last issue: -  
Date of first issue: 04.01.2018

---

Mobility : Remarks: No information available.

Distribution among environmental compartments : Remarks: No information available.

### Other adverse effects

No data available

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Disposal should be in accordance with local, state or national legislation.  
Waste, even small quantities, should never be poured down drains, sewers or water courses.  
Dispose of contents/ container to an approved incineration plant.

Contaminated packaging : Empty container will retain residue. Observe all hazard precautions.

---

## SECTION 14. TRANSPORT INFORMATION

### ICAO/IATA

UN No. : 2811  
Proper Shipping Name : Toxic solid, organic, n.o.s. (SUXAMETHONIUM CHLORIDE)  
Class : 6.1  
Packing Group : III

### IMO/IMDG

UN No. : 2811  
Proper Shipping Name : TOXIC SOLID, ORGANIC, N.O.S. (SUXAMETHONIUM CHLORIDE)  
Class : 6.1  
Packing Group : III  
Marine pollutant : Not classified as a Marine Pollutant

### ADR

UN No. : 2811  
Proper Shipping Name : TOXIC SOLID, ORGANIC, N.O.S. (SUXAMETHONIUM CHLORIDE)  
Class : 6.1  
Label(s) : 6.1  
Packing Group : III

---



Version 3.0      Revision Date: 04.01.2018      SDS Number: 8493      Date of last issue: -  
Date of first issue: 04.01.2018

---

---

## SECTION 15. REGULATORY INFORMATION

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

In order to comply with legal duties it is necessary to consult local and national legislation.

Standard for the Uniform Scheduling of Medicines and Poisons : No poison schedule number allocated

Prohibition/Licensing Requirements : There is no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

### The components of this product are reported in the following inventories:

REACH : Not listed

DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.

Suxamethonium Chloride Dihydrate 6101-15-1

AICS : Not listed

ENCS : Not listed

ISHL : Not listed

IECSC : Not listed

TCSI : Not listed

TSCA : Not On TSCA Inventory

---

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; 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; CPR - Controlled Products Regulations; 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

# SAFETY DATA SHEET



Version	Revision Date:	SDS Number:	Date of last issue: -
3.0	04.01.2018	8493	Date of first issue: 04.01.2018

---

- 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; 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

## Further information

Revision Date	: 04.01.2018
Other information	: The Safety Data Sheet has been updated to the SAP EH&S Standard template., This update affects all Sections of the Safety Data Sheet.
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