

# SAFETY DATA SHEET (SDS)


## Tin (IV) chloride, 0.1M

Issue date: 28-07-2020

### Section 1: Product Identifier and Chemical Identity

Product Identifier	
Product Name:	Tin (IV) chloride, 0.1M
Product Codes:	MC91.50, MC92.50
Other means of identification:	
Chemical formula, alternative names:	SnCl <sub>4(aq)</sub>
Recommended use of the chemical and restrictions on use	
Recommended Use:	For laboratory use only.
Suppliers name, address and phone number	
Suppliers Name:	Southern Biological
Suppliers ABN:	94 630 703 810
Suppliers Address:	1/44 Rushdale Street Knoxfield Victoria 3180 Australia
Suppliers Phone No.:	1300 138 561
Suppliers Fax No.:	+613 9753 3896
Emergency Phone number (BH)	1300 138 561

### Section 2: Hazard Identification

Classification of the Hazardous Chemical	
Hazard Category	Skin Corrosion/Irritation Category 1B, Hazardous to the aquatic environment - Chronic Category 3
Label elements	
Hazard Pictograms:	
Signal Word:	Warning
Hazard Statements:	Causes serious eye irritation Causes skin irritation May cause long lasting harmful effects on aquatic life <i>Potential hazards</i> Causes serious eye irritation.
Precautionary Statements:	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing

	dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Keep locked up and out of the reach of children.
Other Hazards	
Results of PBT and vPvB assessment:	PBT: Not applicable VPvB: Not applicable

### Section 3: Composition/information on ingredients

Ingredients			
Name	CAS	Proportion	Hazard Class
Tin (IV) chloride	10026-06-9	3.5%	Skin Corrosion/Irritation Category 1B, Hazardous to the aquatic environment - Chronic Category 3
Water	7732-18-5	96.5%	None

### Section 4: First Aid Measures

General Information	
After Inhalation:	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms; Call a doctor.
After skin contact:	Wash with water and soap and rinse thoroughly. If skin irritation occurs: Get Medical advice/ attention.
After eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
After swallowing:	Do NOT induce vomiting. Wash out mouth with water. Obtain emergency medical attention. Call a POISON CENTRE or doctor/physician if you feel unwell.
Information for doctor:	
Most important symptoms and effects both acute and delayed:	Treat symptomatically.
Indications of any immediate medical attention and special treatment needed	No further relevant information available.

### Section 5: Firefighting measures

Extinguishing media	
Suitable extinguishing agents:	Use media suitable to extinguish surrounding fire.
Special hazards arising for the substance or mixture:	Fire or excessive heat may produce hazardous decomposition products.
Advice for firefighters	
Protective equipment:	Do not enter the fire area without proper protective equipment including respiratory equipment.

## Section 6: Accidental release measures

General Information	
Personal precautions, protective equipment and emergency procedures:	Not required
Environmental precautions:	Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if spill to sewers or public waters.
Methods and material for containment and cleaning up:	Dispose of contaminating material as waste according to item 13. Ensure adequate ventilation.
Reference to other sections:	See Section 7 for information on safe handling. See Section 8 for information on protective equipment. See Section 13 for disposal information.

## Section 7: Handling and Storage

General Information	
Precautions for safe handling:	Ensure good ventilation/exhaustion at the workplace. Do not eat drink or smoke when using this product. Wash contaminated clothing before reuse.
Information about fire – and explosion protection:	No special measures required.
Conditions for safe storage, including any incompatibilities.	
Storage:	Store in cool dry area out of direct sunlight and incompatible materials. Keep containers closed when not in use. Store in suitably labelled containers.
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	Keep container tightly sealed. Keep out of direct sunlight.
Specific end use(s):	No further relevant information available.

## Section 8: Exposure controls/personal protection.

General information			
Additional information about design of technical facilities:		No further data: see section 7	
Control parameters:			
Ingredients with limit values that require monitoring at the workplace:			
Name	STEL	TWA	
	mg/m3 ppm	mg/m3	Footnote
Tin (IV) chloride	N/A	2	As Sn
Additional information		The lists valid during the making were used as basis.	
Exposure Controls:			
General protective and hygienic measures:		Use only in systems, processes and procedures in which effective ventilation has been provided. Keep away from foodstuffs, beverages and feed.	

	Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with eyes.
Respiratory protection:	In case of significant exposure use respiratory filter device. Not normally required.
Clothing / Foot-wear and equipment	No special requirements.
Protection of hands:	PVC or rubber gloves
Eye protection:	Tightly sealed goggles
Skin protection:	Laboratory Coat

## Section 9: Physical and chemical properties

<b>Appearance:</b>	
Form:	Liquid
Colour:	Clear
Odour:	Not determined
Odour Threshold:	Not determined
pH value:	Not determined
<b>Change in Condition:</b>	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined
Flash point:	Not determined
Flammability (solid / gaseous)	Not determined
<b>Ignition Temperature</b>	
Decomposition temperature:	Not determined
Self-igniting:	Not determined
Danger of explosion:	Not determined
<b>Explosion limits</b>	
Lower:	Not determined
Upper:	Not determined
Vapour pressure:	Not determined
Density:	Not determined
<b>General Info</b>	
Relative density:	Not determined
Vapour density:	Not determined
Evaporation rate:	Not determined
Solubility in/ Miscibility with water:	Soluble
Partition coefficient (n-octanol/water):	Not determined

Viscosity:	Not determined
Other information:	Not determined

## Section 10: Stability and reactivity

Reactivity	
General	No further relevant information available.
Chemical Stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	None known
Incompatible materials:	None known
Hazardous decomposition products:	Hydrogen chloride, Tin Compounds

## Section 11: Toxicological information

Information on toxicological effects	
General	Acute toxicity
Primary irritant effect:	
Inhalation, ingestion, eye or skin contact.	Not classified
Possibility of hazardous reactions:	Not classified
Conditions to avoid:	Not classified
Chronic Toxicity:	
General	No data

## Section 12. Ecological information

Toxicity	
Aquatic toxicity:	This material is not expected to be harmful to the ecology.

Persistence and degradability:	No further relevant information available.
<b>Behaviour in environmental systems</b>	
Bio-accumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.
<b>Additional ecological information</b>	
Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable
Other adverse effects:	No further relevant information available.

### Section 13. Ecological information

<b>Waste treatment methods</b>	
Recommendation	Prevent this material from entering waterways, drains and sewers. Comply with official regulations.
<b>Uncleaned packaging:</b>	
Recommendation:	Disposal must be made according to official regulations.
Recommended cleansing agents:	Water, if necessary, together with cleansing agents.

### Section 14. Transport information

<b>General</b>	Not regulated for transport at this concentration
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### Section 15. Regulatory Information

<b>Safety health and environmental regulations/legislation specific for the substance or mixture</b>	
Australian Inventory of Chemical Substances:	Substances are listed.
Standard for the Uniform Scheduling of Medicines and Poisons	S6
GHS label elements	None
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

### Section 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.