

Infosafe No™ 1CH5X      Issue Date : August 2021      RE-ISSUED by CHEMSUPP

Product Name **SEBACOYL CHLORIDE**

Classified as hazardous

## 1. Identification

**GHS Product Identifier** SEBACOYL CHLORIDE

**Company Name** CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

**Address** 38 - 50 Bedford Street GILLMAN  
SA 5013 Australia

**Telephone/Fax Number** Tel: (08) 8440-2000

**Emergency phone number** CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

**E-mail Address** www.chemsupply.com.au

**Recommended use of the chemical and restrictions on use** Organic intermediate and laboratory reagent.

<b>Other Names</b>	<u><b>Name</b></u>	<u><b>Product Code</b></u>
	SEBACOYL CHLORIDE LR	SL048
	SEBACOYL CHLORIDE TG	ST048
	Sebacoyl dichloride, Decanedioyl dichloride, n-Octane-1,8-dicarboxylic acid dichloride	

### Other Information

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

## 2. Hazard Identification

**GHS classification of the substance/mixture** Acute Toxicity - Oral: Category 4  
Skin Corrosion/Irritation: Category 1B  
Specific target organ toxicity - Single Exposure Category 3 (respiratory tract irritation)

**Signal Word (s)** DANGER

**Hazard Statement (s)** H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

**Pictogram (s)** Corrosion, Exclamation mark



**Precautionary statement – Prevention**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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**Precautionary**

**statement – Response** P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P330 Rinse mouth.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P363 Wash contaminated clothing before reuse.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**Precautionary statement – Storage** P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
**Precautionary statement – Disposal** P501 Dispose of contents/container to an approved waste disposal plant.

**3. Composition/information on ingredients**

Ingredients	Name	CAS	Proportion
	Sebacoyl chloride	111-19-3	100 %

**4. First-aid measures**

**Inhalation** If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Ingestion** Rinse mouth thoroughly with water immediately. If swallowed, do NOT induce vomiting. Seek immediate medical assistance.

**Skin** Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention. If rapid recovery does not occur, obtain medical attention

**Eye contact** Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

**First Aid Facilities** Maintain eyewash fountain and safety shower in work area.

**Advice to Doctor** Treat symptomatically based on judgement of doctor and individual reactions of the patient.

**Other Information** For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

**5. Fire-fighting measures**

**Unsuitable Extinguishing Media** Water.

**Hazards from Combustion Products** Irritating and highly toxic gases (carbon monoxide, carbon dioxide, phosgene gas, halogenated compounds) may be generated by thermal decomposition or combustion. Use of water will produce irritating and toxic vapours of hydrogen chloride, leading to the formation of hydrochloric acid. Hydrochloric acid solutions react with most metals, forming flammable hydrogen gas.

**Specific Methods** Use dry chemical, CO2 or chemical foam. If safe to do so, move undamaged containers from fire area.

**Hazchem Code** 2X

**Precautions in connection with Fire** Wear SCBA and chemical splash suit. Fully-encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.

**6. Accidental release measures**

**Spills & Disposal** ELIMINATE all ignition sources (no smoking, flares, sparks or flames) within at least 50 m. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Cover with DRY earth, sand or other non-combustible material followed by plastic sheet to minimise spreading or contact with rain. DO NOT

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<b>Personal Precautions</b>	GET WATER INSIDE CONTAINERS. Evacuate the area of all non-essential personnel. Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
<b>Personal Protection</b>	Wear protective clothing specified for normal operations (see Section 8)
<b>Clean-up Methods - Small Spillages</b>	Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum.

## 7. Handling and storage

<b>Precautions for Safe Handling</b>	Avoid ingestion and inhalation of gas/fumes/vapour/spray. Avoid contact with eyes, skin, or clothing. Avoid prolonged or repeated exposure. If ingested, seek immediate medical attention. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure good ventilation at the workplace. Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Never add water to this product. Do not allow water to get into the container because of violent reaction. Discard contaminated shoes. Do not use with metal spatula or other metal items. Ensure a high level of personal hygiene is maintained when using this product. That is, always wash hands before eating, drinking, smoking or using the toilet. Keep container dry. Keep away from heat and all sources of ignition. Ground all equipment containing material. Containers of this material may be hazardous and pose a fire risk when empty since they retain product residues (vapours, liquid); evaporate the residue under a fume hood; observe all warnings and precautions listed for the product.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep in a tightly closed container, stored in a cool, dry, ventilated area away from incompatible substances. Keep well closed and protected from direct sunlight, humidity and moisture. Keep container dry. Store away from water/moisture. Do not add water to a closed container since the reaction may result in violent rupture of the container. Keep away from metals. Store away from oxidizing agents. Protect against physical damage. Store under dry inert gas, nitrogen blanket or argon. Corrosive materials should be stored in a separate safety storage cabinet or room. Containers of this material may be hazardous when empty since they retain product residues (vapours, liquid); observe all warnings and precautions listed for the product.
<b>Corrosiveness</b>	Corrosive to metals in presence of water.
<b>Storage Regulations</b>	Refer Australian Standard AS 3780-2008 'The storage and handling of corrosive substances'.
<b>Storage Temperatures</b>	Recommended temperature: 2 - 8 °C
<b>Unsuitable Materials</b>	Metals.

## 8. Exposure controls/personal protection

<b>Other Exposure Information</b>	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m <sup>3</sup> . All atmospheric contamination should be kept to as low a level as is workable. These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
<b>Appropriate engineering controls</b>	Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
<b>Respiratory Protection</b>	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Select and use respirators in accordance with AS 1716 - Respiratory Protective Devices and be selected in accordance

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<b>Eye Protection</b>	with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist filters. Filter capacity and respirator type depends on exposure levels.
<b>Hand Protection</b>	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
<b>Personal Protective Equipment</b>	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.
<b>Body Protection</b>	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
<b>Hygiene Measures</b>	Flame retardant antistatic protective clothing. Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against hazardous chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## 9. Physical and chemical properties

<b>Form</b>	Liquid
<b>Appearance</b>	Colourless to pale yellow liquid or orange liquid.
<b>Odour</b>	Strong, irritating, pungent odour.
<b>Melting Point</b>	- 5 to -3 °C
<b>Boiling Point</b>	220°C
<b>Solubility in Water</b>	Decomposes (hydrolysis).
<b>Solubility in Organic Solvents</b>	Soluble in hydrocarbons and ethers.
<b>Specific Gravity</b>	1.119 - 1.121 g/cm <sup>3</sup>
<b>Vapour Pressure</b>	3 mmHg @ 140 °C; 11 mmHg @ 165°C; 75 mmHg @ 220 °C.
<b>Vapour Density (Air=1)</b>	8.25
<b>Evaporation Rate</b>	< 1 (Ethyl ether =1)
<b>Volatile Component</b>	100 %vol @ 21 °C.
<b>Flash Point</b>	113 °C (CC); 165 °C (OC).
<b>Flammability</b>	Combustible.
<b>Explosion Properties</b>	Above the flash point, explosive vapour-air mixtures may be formed.
<b>Molecular Weight</b>	239.14
<b>Other Information</b>	Refractive index: 1.468 n <sub>20</sub> /D (lit.)

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal temperatures and pressures. Material hydrolyzes in contact with moisture/water releasing toxic and corrosive fumes of hydrogen chloride and aqueous hydrochloric acid.
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<b>Conditions to Avoid</b>	Exposure to moist air or water, heat, flames, ignition sources and incompatibles.
<b>Incompatible Materials</b>	Alcohols, water, bases, metals, oxidizing agents, amines and phenols.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide, phosgene gas, halogenated compounds, hydrogen chloride gas, hydrochloric acid, hydrogen gas.
<b>Possibility of hazardous reactions</b>	Material reacts with water, alcohols or phenols.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50 (rat): 400 mg/kg.
<b>Ingestion</b>	Corrosive. Harmful if swallowed. Swallowing can cause severe burns and irritation of mucous membranes in the mouth, throat, pharynx, oesophagus, gastrointestinal tract and stomach. Can cause sore throat, vomiting, diarrhoea. May cause severe and permanent damage to the digestive tract.
<b>Inhalation</b>	Causes chemical burns, irritation and damaging effects on the mucous membranes and upper respiratory tract. Lacrimal irritation due to vapours. Symptoms may include irritation of the nose and throat, coughing, and dyspnoea. May cause lung oedema, a medical emergency.
<b>Skin</b>	Corrosive. Causes severe burns. Toxic if absorbed through the skin. Symptoms of redness and pain can occur.
<b>Eye</b>	Corrosive. Causes severe burns. Contact can cause blurred vision, redness and pain. Lachrymator (substance which increases the flow of tears).
<b>Respiratory sensitisation</b>	Not classified based on available information.
<b>Skin Sensitisation</b>	Not classified based on available information.
<b>Germ cell mutagenicity</b>	Not classified based on available information.
<b>Carcinogenicity</b>	Not listed in the IARC Monographs. Not classified based on available information.
<b>Reproductive Toxicity</b>	Not classified based on available information.
<b>STOT-single exposure</b>	Specific target organ toxicity - Single Exposure Category 3 (respiratory tract irritation)
<b>STOT-repeated exposure</b>	Not classified based on available information.
<b>Chronic Effects</b>	Prolonged or repeated skin contact will result in severe irritation and chemical burns to the skin and may cause dermatitis. Repeated exposure may cause erosion of teeth. Repeated exposure to low concentrations of hydrogen chloride vapour or mist may cause bleeding of nose and gums. Chronic bronchitis and gastritis have also been reported.
<b>Serious eye damage/irritation</b>	H314 Causes severe skin burns and eye damage.
<b>Skin corrosion/irritation</b>	Skin Corrosion/Irritation: Category 1B H314 Causes severe skin burns and eye damage.

## 12. Ecological information

<b>Ecotoxicity</b>	Harmful effect due to pH shift. Hydrolysis leads to formation of: hydrochloric acid. Quantitative data on the ecological effect of this product are not available.
<b>Environmental Protection</b>	Do not allow to enter waters, waste water, or soil!

## 13. Disposal considerations

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**Disposal Considerations** Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

## 14. Transport information

**Transport Information** Dangerous goods of Class 8 (Corrosive) are incompatible in a placard load with any of the following: Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids, Class 7; and are incompatible with food and food packaging in any quantity.

**U.N. Number** 3265

**UN proper shipping name** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. - (Sebacoyl Chloride)

**Transport hazard class(es)** 8

**Hazchem Code** 2X

**Packing Group** II

**EPG Number** 8A1

**IERG Number** 37

**Environmental Hazards** Harmful effect due to pH shift.

## 15. Regulatory information

**Regulatory Information** All the constituents of this product are listed on the Australian Inventory of Chemical Substances ( AICS ), or exempted. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

**Poisons Schedule** Not Scheduled

## 16. Other Information

**Literature References** 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.  
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'.  
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'.  
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand.  
Safe Work Australia, 'Hazardous Chemical Information System'.  
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'.  
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.

**Contact Person/Point** Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**  
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**Empirical Formula & Structural Formula** Empirical Formula: C16H16Cl2O2.  
Structural Formula: ClCO-(CH2)8-COCl.  
  
...End Of MSDS...

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