

SECTION 1: Product identifier

1.1. Product identifier

Product form : Substance
Substance name : Thyroid Extract
Chemical name : Thyroid
CAS-No. : 84195-63-1
Product code : 204891

1.2. Other means of identification

No data available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Pharmaceuticals
Active pharmaceutical ingredient

1.4. Supplier's details

Bella Corp Trading Pty Ltd
6/34 Dominions Road, Ashmore QLD 4214, Australia
Telephone: 07 5597 4169
Email: bellacorp@bellacorp.com.au

1.5. Emergency phone number

Emergency number : 1800 127 406 (24 h, Australia) | +64 4 917 9888 (24 h, Worldwide)
CareChem 24x7: EUROPE: +44 1235 239670 | USA: +1 202 464 2554 | CANADA - +1 800 579 7421 (Toll Free) | ASIA - +65 3158 1074 | MOROCCO - +44 1235 239671 | REST OF THE WORLD - +44 1865 407333 (English only)
NSW Poisons Information Centre: 131 126 (24 hours)

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Respiratory sensitisation, Category 1 H334

2.2. Label elements

Hazard pictograms (GHS AU) :



Signal word (GHS AU) : Danger
Hazard statements (GHS AU) : H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
Precautionary statements (GHS AU) : P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P202 - Do not handle until all safety precautions have been read and understood.
P201 - Obtain special instructions before use.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards which do not result in classification : In its original form and under standard using conditions the product has not any negative effects for the health or the environment.

SECTION 3: Composition/information on ingredients

Importers and Distributors of Compounding Products

PO Box 8009, Gold Coast Mail Centre
QLD 9726, Australia

T: +61 (0)7 5597 4169
F: +61 (0)7 5597 4264

E: bellacorp@bellacorp.com.au
W: www.bellacorp.com.au

Thyroid Extract

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Thyroid (Main constituent)	84195-63-1	100	Resp. Sens. 1, H334

Comments : The porcine thyroid extract contains the hormones T3 (Triiodothyronine) and T4 (Tetraiodothyronine). These hormones are composed by an amino acid known as tyrosine and iodine ions. They move around the body regulating lots of functions and they act in most body cells. They are synthesized in the epithelial cells of the thyroid and regulated by TSH.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison centre or a doctor if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Call a POISON CENTRE/doctor if you feel unwell.
First-aid measures after skin contact : Wash with plenty of soap and water. Continue to rinse for at least 10 minutes.
First-aid measures after eye contact : Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion : Call a poison centre or a doctor if you feel unwell. Never give anything by mouth to an unconscious person. Rinse mouth out with water. Do not induce vomiting without medical advice. Seek medical attention immediately.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Fire may produce dense smoke.
Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon oxides (CO, CO₂).

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Cool containers with water spray. Take into account the wind direction.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid dust formation.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Contain spill.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Dilute with water. Avoid splashing. Clean up immediately.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the workstation. Wear personal protective equipment. Avoid breathing dust. wear adequate respiratory protection (anti-dust mask). Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Preserve in well closed container at room temperature.
Storage temperature : $\leq 40^{\circ}\text{C}$

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

No additional information available

8.2. Monitoring

No data available

8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the workstation.

8.4. Personal protective equipment

Hand protection : Protective gloves made of rubber or PVC
Eye protection : Safety glasses. Face shield
Skin and body protection : Wear suitable protective clothing
Respiratory protection : [In case of inadequate ventilation] wear respiratory protection. wear adequate respiratory protection (anti-dust mask)

Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Solid
Appearance : No data available
Colour : As per product specification.
Odour : odourless
Odour threshold : No data available
pH : 5 – 8
Relative evaporation rate (butylacetate=1) : No data available
Melting point / Freezing point : Freezing point: Not applicable
Boiling point : No data available
Flash point : $> 400^{\circ}\text{C}$
Auto-ignition temperature : Not applicable
Flammability : No data available
Vapour pressure : No data available
Relative density : No data available
Density : Density: 0.2 – 0.5 kg/m^3
Solubility : immiscible.
Partition coefficient n-octanol/water (Log Pow) : No data available
Viscosity, kinematic : Not applicable
Explosive properties : Dust Explosion Class ST1 (Weak explosion).
Explosive limits : Not applicable
125 g/m^3
Minimum ignition energy : No data available
Fat solubility : No data available
Additional information : Explosive properties: 98 Kmax^* . *Measured in a product with a medium particle size of 97,7 μm and a humidity of 2,3%

SECTION 10: Stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

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Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Toxic fumes may be released. Carbon oxides (CO, CO ₂).

SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Thyroid (84195-63-1)	
LD50 oral rat	> 2000 mg/kg

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 5 – 8
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 5 – 8
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

Thyroid (84195-63-1)	
Viscosity, kinematic	Not applicable

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

Thyroid (84195-63-1)	
Biodegradation	(Product is biodegradable)

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

Thyroid (84195-63-1)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.

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according to the Work Health and Safety (WHS) Regulations

SECTION 14: Transport information

14.1. UN number

UN-No. (ADG) : Not regulated
UN-No. (IMDG) : Not regulated
UN-No. (IATA) : Not regulated

14.2. Proper Shipping Name - Addition

Proper Shipping Name (ADG) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

14.3. Transport hazard class(es)

ADG

Transport hazard class(es) (ADG) : Not regulated

IMDG

Transport hazard class(es) (IMDG) : Not regulated

IATA

Transport hazard class(es) (IATA) : Not regulated

14.4. Packing group

Packing group (ADG) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated

14.5. Environmental hazards

Marine pollutant : No
Dangerous for the environment : No
Other information : No supplementary information available

14.6. Special precautions for user

Specific storage requirement : No data available
Shock sensitivity : No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

SECTION 15: Regulatory information

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

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Not Scheduled
Other information on relevant regulations : Listed on the TGA Australian Approved Names List for Therapeutic Substances

15.2. International agreements

No additional information available

SECTION 16: Other information

Full text of H-statements:

Resp. Sens. 1	Respiratory sensitisation, Category 1
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled