

# SAFETY DATA SHEET



IMMULITE® 2000 Free T3

SDS no.:

L2KF32\_6\_3M\_6M

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : IMMULITE® 2000 Free T3  
**Product code** : L2KF32, L2KF36, 10381675, 10381682

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

<b>Identified uses</b>	Free T3 Reagent Wedge A	Diagnostic agents.
	Free T3 Reagent Wedge B.	Diagnostic agents.
	Free T3 Adjustors	Diagnostic agents.
<b>Restrictions on use</b>	For professional users only.	

**Supplier** : Siemens Healthcare Diagnostics Limited  
 Park View,  
 Watchmoor Park,  
 Camberley,  
 Surrey,  
 GU15 3YL  
 United Kingdom

Phone: +44 (0) 345 600 1955

**e-mail address of person responsible for this SDS** : dx.msds.healthcare@siemens-healthineers.com

### 1.4 Emergency telephone number

CHEMTREC: +44 20 3807 3798

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

<b>Product definition</b>	Free T3 Reagent Wedge A	Mixture
	Free T3 Reagent Wedge B.	Mixture
	Free T3 Adjustors	Mixture

#### Classification according to UK CLP/GHS

##### **Free T3 Adjustors**

Aquatic Chronic 3, H412

The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

<b>Signal word</b>	Free T3 Reagent Wedge A	No signal word.
	Free T3 Reagent Wedge B.	No signal word.
	Free T3 Adjustors	No signal word.
<b>Hazard statements</b>	Free T3 Reagent Wedge A	No known significant effects or critical hazards.
	Free T3 Reagent Wedge B.	No known significant effects or critical hazards.
	Free T3 Adjustors	H412 - Harmful to aquatic life with long lasting effects.

#### Precautionary statements

IMMULITE® 2000 Free T3

## SECTION 2: Hazards identification

<b>Prevention</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not applicable. Not applicable. P273 - Avoid release to the environment.
<b>Response</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not applicable. Not applicable. Not applicable.
<b>Storage</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not applicable. Not applicable. Not applicable.
<b>Disposal</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not applicable. Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Safety data sheet available on request. Not applicable. Not applicable.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not applicable. Not applicable. Not applicable.

### 2.3 Other hazards

<b>Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII</b>	: Free T3 Reagent Wedge A  Free T3 Reagent Wedge B.  Free T3 Adjustors	This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB. This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
<b>Other hazards which do not result in classification</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	None known. None known. None known.
<b>Additional information</b>	: Potentially biohazardous material.  Not available.	

## SECTION 3: Composition/information on ingredients

<b>3.1 Substances</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Mixture Mixture Mixture
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Product/ingredient name	Identifiers	%	Classification	Type
<b>Free T3 Reagent Wedge A</b> sodium salicylate	EC: 200-198-0 CAS: 54-21-7	≤3	Acute Tox. 4, H302 Eye Irrit. 2, H319	[1]
<b>Free T3 Adjustors</b> sodium azide	EC: 247-852-1 CAS: 26628-22-8 Index: 011-004-00-7	<1	Acute Tox. 2, H300 Acute Tox. 1, H310 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) EUH032	[1] [2]

IMMULITE® 2000 Free T3

### SECTION 3: Composition/information on ingredients

			<b>See Section 16 for the full text of the H statements declared above.</b>	
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Type

Occupational exposure limits, if available, are listed in Section 8.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>Eye contact</b>	: Free T3 Reagent Wedge A	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Free T3 Reagent Wedge B.	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Free T3 Adjustors	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
<b>Inhalation</b>	: Free T3 Reagent Wedge A	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Free T3 Reagent Wedge B.	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Free T3 Adjustors	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Skin contact</b>	: Free T3 Reagent Wedge A	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Free T3 Reagent Wedge B.	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Free T3 Adjustors	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: Free T3 Reagent Wedge A	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Free T3 Reagent Wedge B.	Wash out mouth with water. If material has been swallowed and the exposed

## SECTION 4: First aid measures

person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

Free T3 Adjustors

**Protection of first-aiders** : Free T3 Reagent Wedge A  
Free T3 Reagent Wedge B.  
Free T3 Adjustors

No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	No specific data. No specific data. No specific data.
<b>Inhalation</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	No specific data. No specific data. No specific data.
<b>Skin contact</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	No specific data. No specific data. No specific data.
<b>Ingestion</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	No specific data. No specific data. No specific data.

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

<b>Notes to physician</b>	: Free T3 Reagent Wedge A  Free T3 Reagent Wedge B.  Free T3 Adjustors	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors  Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	No specific treatment. No specific treatment. No specific treatment.  Not available. Not available. Not available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

### 5.2 Special hazards arising from the substance or mixture

**Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous combustion products** : Decomposition products may include the following materials:  
 carbon dioxide  
 carbon monoxide  
 nitrogen oxides  
 sulfur oxides  
 halogenated compounds  
 metal oxide/oxides

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### 6.4 Reference to other sections

: See Section 1 for emergency contact information.  
 See Section 8 for information on appropriate personal protective equipment.  
 See Section 13 for additional waste treatment information.

IMMULITE® 2000 Free T3

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
Free T3 Adjustors sodium azide	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed through skin.</b> STEL: 0.3 mg/m <sup>3</sup> , (as NaN <sub>3</sub> ) 15 minutes. TWA: 0.1 mg/m <sup>3</sup> , (as NaN <sub>3</sub> ) 8 hours.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
Free T3 Reagent Wedge A sodium salicylate	DNEL	Long term Oral	0.133 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.133 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	0.232 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	0.373 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.32 mg/m <sup>3</sup>	Workers	Systemic
Free T3 Adjustors sodium azide	DNEL	Long term Oral	16.7 µg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	16.7 µg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	29 µg/m <sup>3</sup>	General population	Systemic

IMMULITE® 2000 Free T3

## SECTION 8: Exposure controls/personal protection

	DNEL	Long term Dermal	46.7 µg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	0.164 mg/ m <sup>3</sup>	Workers	Systemic

### PNECs

No PNECs available

## 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	: Free T3 Reagent Wedge A	Liquid.
	Free T3 Reagent Wedge B.	Liquid.
	Free T3 Adjustors	Solid.
<b>Colour</b>	: Free T3 Reagent Wedge A	Colourless.
	Free T3 Reagent Wedge B.	Colourless.
	Free T3 Adjustors	Off-white.
<b>Odour</b>	: Free T3 Reagent Wedge A	Odourless.
	Free T3 Reagent Wedge B.	Odourless.
	Free T3 Adjustors	Odourless.
<b>Odour threshold</b>	: Not relevant/applicable due to nature of the product.	
<b>Melting point/freezing point</b>	: Not relevant/applicable due to nature of the product.	

IMMULITE® 2000 Free T3

## SECTION 9: Physical and chemical properties

<b>Softening point</b>	:	Not relevant/applicable due to nature of the product.
<b>Sublimation temperature</b>	:	Not relevant/applicable due to nature of the product.
<b>Initial boiling point and boiling range</b>	:	Free T3 Reagent Wedge A Not available. Free T3 Reagent Wedge B. Not available. Free T3 Adjustors Not available.
<b>Flammability (solid, gas)</b>	:	Free T3 Reagent Wedge A Not relevant/applicable due to nature of the product. Free T3 Reagent Wedge B. Not relevant/applicable due to nature of the product. Free T3 Adjustors Not relevant/applicable due to nature of the product.
<b>Upper/lower flammability or explosive limits</b>	:	Free T3 Reagent Wedge A Not available. Free T3 Reagent Wedge B. Not available. Free T3 Adjustors Not applicable.
<b>Flash point</b>	:	Free T3 Reagent Wedge A [Product does not sustain combustion.] Free T3 Reagent Wedge B. [Product does not sustain combustion.] Free T3 Adjustors [Product does not sustain combustion.]

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
<b>Free T3 Reagent Wedge A</b> 2-(2-ethoxyethoxy)ethanol				96	204.8	
<b>Free T3 Reagent Wedge B.</b> Oxirane, 2-methyl-, polymer with oxirane	252	485.6				

**Auto-ignition temperature** :

Ingredient name	°C	°F	Method
<b>Free T3 Reagent Wedge A</b> 2-(2-ethoxyethoxy)ethanol	204	399.2	
<b>Free T3 Reagent Wedge B.</b> sodium azide	309	588.2	EU A.16

<b>Decomposition temperature</b>	:	Not relevant/applicable due to nature of the product.
<b>pH</b>	:	Free T3 Reagent Wedge A 7.35 to 7.45 Free T3 Reagent Wedge B. 7.35 to 7.45 Free T3 Adjustors Not applicable.
<b>Viscosity</b>	:	Free T3 Reagent Wedge A Not available. Free T3 Reagent Wedge B. Not available. Free T3 Adjustors Not applicable.
<b>Solubility(ies)</b>	:	Not available.
<b>Solubility in water</b>	:	Not relevant/applicable due to nature of the product.
<b>Miscible with water</b>	:	Not relevant/applicable due to nature of the product.
<b>Partition coefficient: n-octanol/ water</b>	:	Not relevant/applicable due to nature of the product.
<b>Vapour pressure</b>	:	



IMMULITE® 2000 Free T3

## SECTION 9: Physical and chemical properties

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>Free T3 Reagent Wedge A</b> 2-(2-ethoxyethoxy)ethanol	0.14	0.019				
<b>Free T3 Reagent Wedge B.</b> Sorbitan monolaurate, ethoxylated	<0.9998	<0.13				

<b>Evaporation rate</b>	: Not relevant/applicable due to nature of the product.	
<b>Relative density</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	1 1 Not available.
<b>Density</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
<b>Vapour density</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not applicable.
<b>Explosive properties</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
<b>Oxidising properties</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.

### Particle characteristics

**Median particle size** : Not applicable.

### 9.2 Other information

<b>Fire point</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
<b>Burning time</b>	: Not relevant/applicable due to nature of the product.	
<b>Fundamental burning velocity</b>	: Not relevant/applicable due to nature of the product.	
<b>Burning rate</b>	: Not relevant/applicable due to nature of the product.	
<b>SADT</b>	: Not relevant/applicable due to nature of the product.	
<b>SAPT</b>	: Not relevant/applicable due to nature of the product.	
<b>Heat of reaction</b>	: Not relevant/applicable due to nature of the product.	
<b>Heat of combustion</b>	: Not relevant/applicable due to nature of the product.	
<b>Flow time (ISO 2431)</b>	: Not relevant/applicable due to nature of the product.	
<b>Molecular weight</b>	: Not relevant/applicable due to nature of the product.	

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: No specific data.
<b>10.5 Incompatible materials</b>	: No specific data.

IMMULITE® 2000 Free T3

## SECTION 10: Stability and reactivity

**10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>Free T3 Reagent Wedge A</b> sodium salicylate	LD50 Oral	Rat	930 mg/kg	-
<b>Free T3 Adjustors</b> sodium azide	LD50 Dermal	Rabbit	20 mg/kg	-
	LD50 Dermal	Rat	50 mg/kg	-
	LD50 Oral	Rat	27 mg/kg	-

**Conclusion/Summary** : Free T3 Reagent Wedge A Not available.  
Free T3 Reagent Wedge B. Not available.  
Free T3 Adjustors Not available.

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
<b>Free T3 Reagent Wedge A</b> Free T3 Reagent Wedge A sodium salicylate	9029.1 930	100000 N/A	N/A N/A	1000 N/A	N/A N/A
<b>Free T3 Adjustors</b> Free T3 Adjustors sodium azide	8181.8 27	6060.6 20	N/A N/A	N/A N/A	N/A N/A

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>Free T3 Reagent Wedge A</b> sodium salicylate	Eyes - Severe irritant	Rabbit	-	168 hours 105 mg	-

#### Conclusion/Summary

**Skin** : Free T3 Reagent Wedge A Not available.  
Free T3 Reagent Wedge B. Not available.  
Free T3 Adjustors Not available.

**Eyes** : Free T3 Reagent Wedge A Not available.  
Free T3 Reagent Wedge B. Not available.  
Free T3 Adjustors Not available.

**Respiratory** : Free T3 Reagent Wedge A Not available.  
Free T3 Reagent Wedge B. Not available.  
Free T3 Adjustors Not available.

#### Sensitisation

#### Conclusion/Summary

**Skin** : Free T3 Reagent Wedge A Not available.  
Free T3 Reagent Wedge B. Not available.  
Free T3 Adjustors Not available.

**Respiratory** : Free T3 Reagent Wedge A Not available.  
Free T3 Reagent Wedge B. Not available.  
Free T3 Adjustors Not available.

#### Mutagenicity

## SECTION 11: Toxicological information

**Conclusion/Summary** : Free T3 Reagent Wedge A Not available.  
 Free T3 Reagent Wedge B. Not available.  
 Free T3 Adjustors Not available.

### Carcinogenicity

**Conclusion/Summary** : Free T3 Reagent Wedge A Not available.  
 Free T3 Reagent Wedge B. Not available.  
 Free T3 Adjustors Not available.

### Reproductive toxicity

**Conclusion/Summary** : Free T3 Reagent Wedge A Not available.  
 Free T3 Reagent Wedge B. Not available.  
 Free T3 Adjustors Not available.

### Teratogenicity

**Conclusion/Summary** : Free T3 Reagent Wedge A Not available.  
 Free T3 Reagent Wedge B. Not available.  
 Free T3 Adjustors Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : Free T3 Reagent Wedge A Not available.  
 Free T3 Reagent Wedge B. Not available.  
 Free T3 Adjustors Not available.

### Potential acute health effects

**Eye contact** : Free T3 Reagent Wedge A No known significant effects or critical hazards.  
 Free T3 Reagent Wedge B. No known significant effects or critical hazards.  
 Free T3 Adjustors No known significant effects or critical hazards.

**Inhalation** : Free T3 Reagent Wedge A No known significant effects or critical hazards.  
 Free T3 Reagent Wedge B. No known significant effects or critical hazards.  
 Free T3 Adjustors No known significant effects or critical hazards.

**Skin contact** : Free T3 Reagent Wedge A No known significant effects or critical hazards.  
 Free T3 Reagent Wedge B. No known significant effects or critical hazards.  
 Free T3 Adjustors No known significant effects or critical hazards.

**Ingestion** : Free T3 Reagent Wedge A No known significant effects or critical hazards.  
 Free T3 Reagent Wedge B. No known significant effects or critical hazards.  
 Free T3 Adjustors No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Free T3 Reagent Wedge A No specific data.  
 Free T3 Reagent Wedge B. No specific data.  
 Free T3 Adjustors No specific data.

## SECTION 11: Toxicological information

<b>Inhalation</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	No specific data. No specific data. No specific data.
<b>Skin contact</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	No specific data. No specific data. No specific data.
<b>Ingestion</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	No specific data. No specific data. No specific data.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

<b>Potential immediate effects</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
<b>Potential delayed effects</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.

#### Long term exposure

<b>Potential immediate effects</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
<b>Potential delayed effects</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.

#### Potential chronic health effects

Not available.

<b>Conclusion/Summary</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
<b>General</b>	: Free T3 Reagent Wedge A  Free T3 Reagent Wedge B.  Free T3 Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: Free T3 Reagent Wedge A  Free T3 Reagent Wedge B.  Free T3 Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	: Free T3 Reagent Wedge A  Free T3 Reagent Wedge B.  Free T3 Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: Free T3 Reagent Wedge A  Free T3 Reagent Wedge B.  Free T3 Adjustors	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Interactive effects</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.

IMMULITE® 2000 Free T3

## SECTION 11: Toxicological information

### Toxicokinetics

<b>Absorption</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
<b>Distribution</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
<b>Metabolism</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
<b>Elimination</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
<b>Other information</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>Free T3 Reagent Wedge A</b> sodium salicylate	Acute LC50 1370000 µg/l Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
<b>Free T3 Adjustors</b> sodium azide	Acute EC50 9200 µg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - Water flea - Simocephalus serrulatus - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - Water flea - Daphnia pulex - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
	Chronic NOEC 5600 µg/l Marine water	Algae - Giant kelp - Macrocystis pyrifera	96 hours

<b>Conclusion/Summary</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
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### 12.2 Persistence and degradability

<b>Conclusion/Summary</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
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### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>Free T3 Reagent Wedge A</b> sodium salicylate	0.055	3.2	low

### 12.4 Mobility in soil

<b>Soil/water partition coefficient (K<sub>oc</sub>)</b>	: Free T3 Reagent Wedge A Free T3 Reagent Wedge B. Free T3 Adjustors	Not available. Not available. Not available.
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IMMULITE® 2000 Free T3

## SECTION 12: Ecological information

<b>Mobility</b>	: Free T3 Reagent Wedge A	Not available.
	Free T3 Reagent Wedge B.	Not available.
	Free T3 Adjustors	Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

#### ADR/RID

<b>14.1 UN number</b>	Free T3 Reagent Wedge A	Not regulated.
	Free T3 Reagent Wedge B.	Not regulated.
	Free T3 Adjustors	Not regulated.

<b>14.2 UN proper shipping name</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-

<b>14.3 Transport hazard class(es)</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-

<b>14.4 Packing group</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-

<b>14.5 Environmental hazards</b>	Free T3 Reagent Wedge A	No.
	Free T3 Reagent Wedge B.	No.
	Free T3 Adjustors	No.

<b>Additional information</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-

#### ADN

**14.1 UN number**

IMMULITE® 2000 Free T3

## SECTION 14: Transport information

	Free T3 Reagent Wedge A	Not regulated.
	Free T3 Reagent Wedge B.	Not regulated.
	Free T3 Adjustors	Not regulated.
<b>14.2 UN proper shipping name</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-
<b>14.3 Transport hazard class(es)</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-
<b>14.4 Packing group</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-
<b>14.5 Environmental hazards</b>	Free T3 Reagent Wedge A	No.
	Free T3 Reagent Wedge B.	No.
	Free T3 Adjustors	No.
<b>Additional information</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-

### IMDG

<b>14.1 UN number</b>	Free T3 Reagent Wedge A	Not regulated.
	Free T3 Reagent Wedge B.	Not regulated.
	Free T3 Adjustors	Not regulated.
<b>14.2 UN proper shipping name</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-
<b>14.3 Transport hazard class(es)</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-
<b>14.4 Packing group</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-
<b>14.5 Environmental hazards</b>	Free T3 Reagent Wedge A	No.
	Free T3 Reagent Wedge B.	No.
	Free T3 Adjustors	No.
<b>Additional information</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-

### IATA

<b>14.1 UN number</b>	Free T3 Reagent Wedge A	Not regulated.
	Free T3 Reagent Wedge B.	Not regulated.
	Free T3 Adjustors	Not regulated.
<b>14.2 UN proper shipping name</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-

IMMULITE® 2000 Free T3

## SECTION 14: Transport information

<b>14.3 Transport hazard class(es)</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-
<b>14.4 Packing group</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-
<b>14.5 Environmental hazards</b>	Free T3 Reagent Wedge A	No.
	Free T3 Reagent Wedge B.	No.
	Free T3 Adjustors	No.
<b>Additional information</b>	Free T3 Reagent Wedge A	-
	Free T3 Reagent Wedge B.	-
	Free T3 Adjustors	-

**14.6 Special precautions for user** : Free T3 Reagent Wedge A

Free T3 Reagent Wedge B.

Free T3 Adjustors

**Transport within user's premises:**  
always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport within user's premises:**  
always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport within user's premises:**  
always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** Not applicable.

## SECTION 15: Regulatory information

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

**UK (GB) /REACH**

**Annex XIV - List of substances subject to authorisation**

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Ozone depleting substances**

Not listed.

**Prior Informed Consent (PIC)**

Not listed.

**Persistent Organic Pollutants**

Not listed.



IMMULITE® 2000 Free T3

## SECTION 15: Regulatory information

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Free T3 Reagent Wedge A  
Free T3 Reagent Wedge B.  
Free T3 Adjustors  
Not applicable.  
Not applicable.  
Not applicable.

### Seveso Directive

This product is not controlled under the Seveso Directive.

### EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** : Free T3 Reagent Wedge A  
Free T3 Reagent Wedge B.  
Free T3 Adjustors  
Not listed  
Not listed  
Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Free T3 Reagent Wedge A  
Free T3 Reagent Wedge B.  
Free T3 Adjustors  
Not listed  
Not listed  
Not listed

### International regulations

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

**15.2 Chemical safety assessment** : Not applicable.

## SECTION 16: Other information

🔍 Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = GB CLP-specific Hazard statement  
N/A = Not available  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
SGG = Segregation Group  
vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification

Classification	Justification
Free T3 Adjustors Aquatic Chronic 3, H412	Calculation method

### Full text of abbreviated H statements

IMMULITE® 2000 Free T3

## SECTION 16: Other information

### Free T3 Reagent Wedge A

H302 Harmful if swallowed.  
H319 Causes serious eye irritation.

### Free T3 Adjustors

H300 Fatal if swallowed.  
H310 Fatal in contact with skin.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
EUH032 Contact with acids liberates very toxic gas.

### Full text of classifications

#### Free T3 Reagent Wedge A

Acute Tox. 4 ACUTE TOXICITY - Category 4  
Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

#### Free T3 Adjustors

Acute Tox. 1 ACUTE TOXICITY - Category 1  
Acute Tox. 2 ACUTE TOXICITY - Category 2  
Aquatic Acute 1 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1  
Aquatic Chronic 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1  
Aquatic Chronic 3 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

**Date of printing** : 12/13/2022  
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**Date of previous issue** : No previous validation  
**Version** : 1

### Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.