

# SAFETY DATA SHEET

**SIEMENS**

3gAllergy Specific Allergens and Mixed Allergen Panels

**MSDS  
no.**L2KUNA  
L5KUNA

## Section 1. Identification

<b>GHS product identifier</b>	: 3gAllergy Specific Allergens and Mixed Allergen Panels
<b>Product code</b>	: L2KUNA, L5KUNA
<b>Other means of identification</b>	: Immulite 2000 Allergen Diluent with BSA 4BD Immulite 2000 Antibiotic-Free Specific Allergen Diluent 4AF Immulite 2000 Specific Allergen Diluent with HSA 4HD
<b>Product type</b>	: Liquid.
<b>Allergen</b>	: See Safety Data Sheet section 16

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

Not applicable.

<b>Manufactured/supplied</b>	: Siemens Healthcare Diagnostics Inc. 511 Benedict Avenue Tarrytown, NY 10591-5097 USA 1-877-229-3711 (800) 424-9300 (CHEMTREC) (24/365)
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## Section 2. Hazards identification

<b>OSHA/HCS status</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Classification of the substance or mixture</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2.8%	Not classified. Not classified. Not classified.

### GHS label elements

<b>Signal word</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	No signal word. No signal word. No signal word.
<b>Hazard statements</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

### Precautionary statements

## Section 2. Hazards identification

<b>Prevention</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	Not applicable. Not applicable. Not applicable.
<b>Response</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	Not applicable. Not applicable. Not applicable.
<b>Storage</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	Not applicable. Not applicable. Not applicable.
<b>Disposal</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	Not applicable. Not applicable. Not applicable.
<b>Supplemental label elements</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	None known. None known. None known.
<b>Hazards not otherwise classified</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	None known. None known. None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	Mixture Mixture Mixture
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Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

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

## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	: Immulite 2000 Allergen Diluent with BSA  Immulite 2000 Antibiotic-Free Specific Allergen Diluent  Immulite 2000 Specific Allergen Diluent with HSA	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.  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.  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.
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## Section 4. First aid measures

<b>Inhalation</b>	: Immulite 2000 Allergen Diluent with BSA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Immulite 2000 Specific Allergen Diluent with HSA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	: Immulite 2000 Allergen Diluent with BSA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Immulite 2000 Specific Allergen Diluent with HSA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: Immulite 2000 Allergen Diluent with BSA	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
	Immulite 2000 Specific Allergen Diluent with HSA	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: Immulite 2000 Allergen Diluent with BSA	No known significant effects or critical hazards.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No known significant effects or critical hazards.
	Immulite 2000 Specific Allergen Diluent with HSA	No known significant effects or critical hazards.

## Section 4. First aid measures

<b>Inhalation</b>	: Immulite 2000 Allergen Diluent with BSA	No known significant effects or critical hazards.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No known significant effects or critical hazards.
	Immulite 2000 Specific Allergen Diluent with HSA	No known significant effects or critical hazards.
<b>Skin contact</b>	: Immulite 2000 Allergen Diluent with BSA	No known significant effects or critical hazards.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No known significant effects or critical hazards.
	Immulite 2000 Specific Allergen Diluent with HSA	No known significant effects or critical hazards.
<b>Ingestion</b>	: Immulite 2000 Allergen Diluent with BSA	No known significant effects or critical hazards.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No known significant effects or critical hazards.
	Immulite 2000 Specific Allergen Diluent with HSA	No known significant effects or critical hazards.

### Over-exposure signs/symptoms

<b>Eye contact</b>	: Immulite 2000 Allergen Diluent with BSA	No specific data.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No specific data.
	Immulite 2000 Specific Allergen Diluent with HSA	No specific data.
<b>Inhalation</b>	: Immulite 2000 Allergen Diluent with BSA	No specific data.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No specific data.
	Immulite 2000 Specific Allergen Diluent with HSA	No specific data.
<b>Skin contact</b>	: Immulite 2000 Allergen Diluent with BSA	No specific data.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No specific data.
	Immulite 2000 Specific Allergen Diluent with HSA	No specific data.
<b>Ingestion</b>	: Immulite 2000 Allergen Diluent with BSA	No specific data.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No specific data.
	Immulite 2000 Specific Allergen Diluent with HSA	No specific data.

### Indication of immediate medical attention and special treatment needed, if necessary

<b>Notes to physician</b>	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: No specific treatment.
<b>Protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: In case of fire, use water spray (fog), foam or dry chemical.
<b>Unsuitable extinguishing media</b>	: None known.

<b>Specific hazards arising from the chemical</b>	: In a fire or if heated, a pressure increase will occur and the container may burst.
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## Section 5. Fire-fighting measures

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
halogenated compounds  
metal oxide/oxides
- 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

### 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 spilled 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".
- Environmental precautions** : Avoid dispersal of spilled 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).

### Methods and materials 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.

## Section 7. Handling and storage

### 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.
- 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 unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

#### **Appropriate engineering controls**

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### **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.

### 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**

: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

#### **Physical state**

: Immulite 2000 Allergen Diluent with BSA	Liquid.
Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Liquid.
Immulite 2000 Specific Allergen Diluent with HSA	Liquid.

#### **Color**

: Immulite 2000 Allergen Diluent with BSA	Colorless.
Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Colorless.
Immulite 2000 Specific Allergen Diluent with HSA	Colorless.

#### **Odor**

: Immulite 2000 Allergen Diluent with BSA	Odorless.
Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Odorless.
Immulite 2000 Specific Allergen Diluent with HSA	Odorless.

#### **pH**

: Immulite 2000 Allergen Diluent with BSA	7.4
Immulite 2000 Antibiotic-Free Specific Allergen Diluent	7.4
Immulite 2000 Specific Allergen Diluent with HSA	7.4



## Section 9. Physical and chemical properties

<b>Flash point</b>	: Immulite 2000 Allergen Diluent with BSA	[Product does not sustain combustion.]
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	[Product does not sustain combustion.]
	Immulite 2000 Specific Allergen Diluent with HSA	[Product does not sustain combustion.]
<b>Flammability (solid, gas)</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.
<b>Relative density</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.
<b>Solubility in water</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.
<b>Partition coefficient: n-octanol/water</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.
<b>Auto-ignition temperature</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.
<b>Viscosity</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: Immulite 2000 Allergen Diluent with BSA	No specific test data related to reactivity available for this product or its ingredients.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No specific test data related to reactivity available for this product or its ingredients.
	Immulite 2000 Specific Allergen Diluent with HSA	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: Immulite 2000 Allergen Diluent with BSA	The product is stable.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	The product is stable.
	Immulite 2000 Specific Allergen Diluent with HSA	The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.	
<b>Conditions to avoid</b>	: No specific data.	
<b>Incompatible materials</b>	: No specific data.	
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.	

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

<b>Conclusion/Summary</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.

#### Irritation/Corrosion

Not available.

#### Conclusion/Summary

<b>Skin</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.
<b>Eyes</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.
<b>Respiratory</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.

#### Sensitization

Not available.

#### Conclusion/Summary

<b>Skin</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.
<b>Respiratory</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.

#### Mutagenicity

Not available.

<b>Conclusion/Summary</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.

#### Carcinogenicity

Not available.

<b>Conclusion/Summary</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.

#### Reproductive toxicity

Not available.



## Section 11. Toxicological information

<b>Conclusion/Summary</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.

### Teratogenicity

Not available.

<b>Conclusion/Summary</b>	: Immulite 2000 Allergen Diluent with BSA	Not available.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not available.
	Immulite 2000 Specific Allergen Diluent with HSA	Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

<b>Eye contact</b>	: Immulite 2000 Allergen Diluent with BSA	No known significant effects or critical hazards.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No known significant effects or critical hazards.
	Immulite 2000 Specific Allergen Diluent with HSA	No known significant effects or critical hazards.
<b>Inhalation</b>	: Immulite 2000 Allergen Diluent with BSA	No known significant effects or critical hazards.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No known significant effects or critical hazards.
	Immulite 2000 Specific Allergen Diluent with HSA	No known significant effects or critical hazards.
<b>Skin contact</b>	: Immulite 2000 Allergen Diluent with BSA	No known significant effects or critical hazards.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No known significant effects or critical hazards.
	Immulite 2000 Specific Allergen Diluent with HSA	No known significant effects or critical hazards.
<b>Ingestion</b>	: Immulite 2000 Allergen Diluent with BSA	No known significant effects or critical hazards.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No known significant effects or critical hazards.
	Immulite 2000 Specific Allergen Diluent with HSA	No known significant effects or critical hazards.

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

<b>Eye contact</b>	: Immulite 2000 Allergen Diluent with BSA	No specific data.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No specific data.
	Immulite 2000 Specific Allergen Diluent with HSA	No specific data.

## Section 11. Toxicological information

<b>Inhalation</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	No specific data. No specific data. No specific data.
<b>Skin contact</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	No specific data. No specific data. No specific data.
<b>Ingestion</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	No specific data. No specific data. No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

<b>Potential immediate effects</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	Not available. Not available. Not available.
<b>Potential delayed effects</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	Not available. Not available. Not available.

#### Long term exposure

<b>Potential immediate effects</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	Not available. Not available. Not available.
<b>Potential delayed effects</b>	: Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA	Not available. Not available. Not available.

#### Potential chronic health effects

Not available.

<b>Conclusion/Summary</b>	: Not available. Not available. Not available.	Immulite 2000 Allergen Diluent with BSA Immulite 2000 Antibiotic-Free Specific Allergen Diluent Immulite 2000 Specific Allergen Diluent with HSA
<b>General</b>	: No known significant effects or critical hazards.	
<b>Carcinogenicity</b>	: No known significant effects or critical hazards.	
<b>Mutagenicity</b>	: No known significant effects or critical hazards.	
<b>Teratogenicity</b>	: No known significant effects or critical hazards.	
<b>Developmental effects</b>	: No known significant effects or critical hazards.	
<b>Fertility effects</b>	: No known significant effects or critical hazards.	

### Numerical measures of toxicity

#### Acute toxicity estimates

## Section 11. Toxicological information

Route	ATE value
<b>Immulate 2000 Allergen Diluent with BSA</b> Oral	58126.5 mg/kg
<b>Immulate 2000 Antibiotic-Free Specific Allergen Diluent</b> Oral	58126.5 mg/kg
<b>Immulate 2000 Specific Allergen Diluent with HSA</b> Oral	58126.5 mg/kg

**Interactive effects** : Immulate 2000 Allergen Diluent with BSA Not available.  
 Immulate 2000 Antibiotic-Free Specific Allergen Diluent Not available.  
 Immulate 2000 Specific Allergen Diluent with HSA Not available.

**Other information** : Immulate 2000 Allergen Diluent with BSA Not available.  
 Immulate 2000 Antibiotic-Free Specific Allergen Diluent Not available.  
 Immulate 2000 Specific Allergen Diluent with HSA Not available.

## Section 12. Ecological information

### Toxicity

Not available.

**Conclusion/Summary** : Immulate 2000 Allergen Diluent with BSA Not available.  
 Immulate 2000 Antibiotic-Free Specific Allergen Diluent Not available.  
 Immulate 2000 Specific Allergen Diluent with HSA Not available.

### Persistence and degradability

**Conclusion/Summary** : Immulate 2000 Allergen Diluent with BSA Not available.  
 Immulate 2000 Antibiotic-Free Specific Allergen Diluent Not available.  
 Immulate 2000 Specific Allergen Diluent with HSA Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

**Soil/water partition coefficient ( $K_{oc}$ )** : Immulate 2000 Allergen Diluent with BSA Not available.  
 Immulate 2000 Antibiotic-Free Specific Allergen Diluent Not available.  
 Immulate 2000 Specific Allergen Diluent with HSA Not available.

**Mobility** : Immulate 2000 Allergen Diluent with BSA Not available.  
 Immulate 2000 Antibiotic-Free Specific Allergen Diluent Not available.  
 Immulate 2000 Specific Allergen Diluent with HSA Not available.

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

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

### DOT Classification

<b>UN number</b>	Immulate 2000 Allergen Diluent with BSA	Not regulated.
	Immulate 2000 Antibiotic-Free Specific Allergen Diluent	Not regulated.
	Immulate 2000 Specific Allergen Diluent with HSA	Not regulated.
<b>UN proper shipping name</b>	Immulate 2000 Allergen Diluent with BSA	-
	Immulate 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulate 2000 Specific Allergen Diluent with HSA	-
<b>Transport hazard class(es)</b>	Immulate 2000 Allergen Diluent with BSA	-
	Immulate 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulate 2000 Specific Allergen Diluent with HSA	-

<b>Packing group</b>	Immulate 2000 Allergen Diluent with BSA	-
	Immulate 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulate 2000 Specific Allergen Diluent with HSA	-
<b>Environmental hazards</b>	Immulate 2000 Allergen Diluent with BSA	No.
	Immulate 2000 Antibiotic-Free Specific Allergen Diluent	No.
	Immulate 2000 Specific Allergen Diluent with HSA	No.
<b>Additional information</b>	Immulate 2000 Allergen Diluent with BSA	-
	Immulate 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulate 2000 Specific Allergen Diluent with HSA	-

### TDG Classification

<b>UN number</b>	Immulate 2000 Allergen Diluent with BSA	Not regulated.
	Immulate 2000 Antibiotic-Free Specific Allergen Diluent	Not regulated.
	Immulate 2000 Specific Allergen Diluent with HSA	Not regulated.
<b>UN proper shipping name</b>	Immulate 2000 Allergen Diluent with BSA	-
	Immulate 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulate 2000 Specific Allergen Diluent with HSA	-
<b>Transport hazard class(es)</b>	Immulate 2000 Allergen Diluent with BSA	-
	Immulate 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulate 2000 Specific Allergen Diluent with HSA	-

## Section 14. Transport information

<b>Packing group</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-
<b>Environmental hazards</b>	Immulite 2000 Allergen Diluent with BSA	No.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No.
	Immulite 2000 Specific Allergen Diluent with HSA	No.
<b>Additional information</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

### Mexico Classification

<b>UN number</b>	Immulite 2000 Allergen Diluent with BSA	Not regulated.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not regulated.
	Immulite 2000 Specific Allergen Diluent with HSA	Not regulated.
<b>UN proper shipping name</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-
<b>Transport hazard class(es)</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

<b>Packing group</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-
<b>Environmental hazards</b>	Immulite 2000 Allergen Diluent with BSA	No.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No.
	Immulite 2000 Specific Allergen Diluent with HSA	No.
<b>Additional information</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

### ADR/RID

<b>UN number</b>	Immulite 2000 Allergen Diluent with BSA	Not regulated.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not regulated.
	Immulite 2000 Specific Allergen Diluent with HSA	Not regulated.
<b>UN proper shipping name</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

## Section 14. Transport information

<b>Transport hazard class(es)</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

<b>Packing group</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

<b>Environmental hazards</b>	Immulite 2000 Allergen Diluent with BSA	No.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No.
	Immulite 2000 Specific Allergen Diluent with HSA	No.

<b>Additional information</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

### IMDG

<b>UN number</b>	Immulite 2000 Allergen Diluent with BSA	Not regulated.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not regulated.
	Immulite 2000 Specific Allergen Diluent with HSA	Not regulated.

<b>UN proper shipping name</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

<b>Transport hazard class(es)</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

<b>Packing group</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

<b>Environmental hazards</b>	Immulite 2000 Allergen Diluent with BSA	No.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No.
	Immulite 2000 Specific Allergen Diluent with HSA	No.

<b>Additional information</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

### IATA

<b>UN number</b>	Immulite 2000 Allergen Diluent with BSA	Not regulated.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	Not regulated.
	Immulite 2000 Specific Allergen Diluent with HSA	Not regulated.

## Section 14. Transport information

<b>UN proper shipping name</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-
<b>Transport hazard class(es)</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-
<b>Packing group</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-
<b>Environmental hazards</b>	Immulite 2000 Allergen Diluent with BSA	No.
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	No.
	Immulite 2000 Specific Allergen Diluent with HSA	No.
<b>Additional information</b>	Immulite 2000 Allergen Diluent with BSA	-
	Immulite 2000 Antibiotic-Free Specific Allergen Diluent	-
	Immulite 2000 Specific Allergen Diluent with HSA	-

**Special precautions for user** : Immulite 2000 Allergen Diluent with BSA

Immulite 2000 Antibiotic-Free Specific Allergen Diluent

Immulite 2000 Specific Allergen Diluent with HSA

**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.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

## Section 15. Regulatory information

**U.S. Federal regulations** : TSCA 8(a) CDR Exempt/Partial exemption: Not determined  
United States inventory (TSCA 8b): Not determined.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed



## Section 15. Regulatory information

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
<b>Immulite 2000 Antibiotic-Free Specific Allergen Diluent</b> sodium azide	0.098	Yes.	500	-	1000	-

**SARA 304 RQ** : 3061224.5 lbs / 1389795.9 kg

### SARA 311/312

**Classification** : Not applicable.

#### Composition/information on ingredients

No products were found.

### State regulations

**Massachusetts** : None of the components are listed.

**New York** : None of the components are listed.

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

### International regulations

**Chemical Weapons Convention List Schedule I Chemicals** : Immulite 2000 Allergen Diluent with BSA Not listed  
Immulite 2000 Antibiotic-Free Specific Allergen Diluent Not listed  
Immulite 2000 Specific Allergen Diluent with HSA Not listed

**Chemical Weapons Convention List Schedule II Chemicals** : Immulite 2000 Allergen Diluent with BSA Not listed  
Immulite 2000 Antibiotic-Free Specific Allergen Diluent Not listed  
Immulite 2000 Specific Allergen Diluent with HSA Not listed

**Chemical Weapons Convention List Schedule III Chemicals** : Immulite 2000 Allergen Diluent with BSA Not listed  
Immulite 2000 Antibiotic-Free Specific Allergen Diluent Not listed  
Immulite 2000 Specific Allergen Diluent with HSA Not listed

## Section 16. Other information

### History

**Date of issue/Date of revision** : 1/22/2016.

**Version** : 1.05

### Key to abbreviations

: ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,

Section 16. Other information

1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

Allergen : 