



# SAFETY DATA SHEET

## Prolex™ Staph Xtra Latex Kit

### Section 1. Identification

<b>GHS product identifier</b>	: Prolex™ Staph Xtra Latex Kit	
<b>Other means of identification</b>	: Not available.	
<b>Trade name</b>	: Prolex™ Staph Xtra Latex Kit Staph Xtra Latex Reagent Negative Control Latex Reagent	<b>Code</b> PL.1080 / PL.1081 PL.1083 / PL.1084 PL.1085 / PL.1086

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

**Identified uses** : Provides a rapid platform to distinguish *Staphylococcus aureus* and methicillin-resistant *S. aureus* (MRSA) from other species of staphylococci.

**Supplier's details** : Pro-Lab Diagnostics  
20 Mural Street, Unit 4  
Richmond Hill, ON  
Canada L4B 1K3  
Tel: +1-905-731-0300  
Fax: +1-905-731-0206  
www.pro-lab.com

**Emergency telephone number (with hours of operation)** : 905-731-0300 –Monday to Friday 8:30 am to 5:00 pm Eastern Standard Time.  
416-230-0692 –Outside the above hours.

### Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

<b>Classification of the substance or mixture</b>	: <b>PL.1083, PL.1084</b> <b>PL.1085, PL.1086</b>	Not classified. Not classified.
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GHS label elements

<b>Signal word</b>	: <b>PL.1083, PL.1084</b> <b>PL.1085, PL.1086</b>	No signal word. No signal word.
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<b>Hazard statements</b>	: <b>PL.1083, PL.1084</b> <b>PL.1085, PL.1086</b>	No known significant effects or critical hazards. No known significant effects or critical hazards.
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Precautionary statements

<b>Prevention</b>	: Not applicable.
<b>Response</b>	: Not applicable.
<b>Storage</b>	: Not applicable.
<b>Disposal</b>	: Not applicable.

**Other hazards which do not result in classification/ HHNOC/PHNOC** : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture  
**Other means of identification** : Not available.

### CAS number/other identifiers

**CAS number** : Not applicable.  
**Product code** : PL.1080, PL.1081

Ingredient name	%	CAS number
Staph Xtra Latex Reagent Boric acid	≤0.3	10043-35-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional 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

**Eye contact** : 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.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

**Skin contact** : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

**Ingestion** : Wash out mouth with water. Get medical attention if symptoms occur.

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

#### Potential acute health effects

<b>Eye contact</b>	: PL.1083, PL.1084 PL.1085, PL.1086	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Inhalation</b>	: PL.1083, PL.1084 PL.1085, PL.1086	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	: PL.1083, PL.1084 PL.1085, PL.1086	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: PL.1083, PL.1084 PL.1085, PL.1086	No known significant effects or critical hazards. No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

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

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

## Section 4. First aid measures

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

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

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : No specific fire or explosion hazard.

**Hazardous thermal decomposition products** : No specific data.

**Special protective actions for fire-fighters** : No special measures are required.

**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** : Put on appropriate personal protective equipment.

**For emergency responders** : If specialized 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

**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. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Store between the following temperatures: 2 to 8°C (35.6 to 46.4°F). 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

#### United States

##### Occupational exposure limits

Ingredient name	Exposure limits
Staph Xtra Latex Reagent Boric acid	<b>ACGIH TLV (United States, 3/2016).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction STEL: 6 mg/m <sup>3</sup> 15 minutes. Form: Inhalable fraction

#### Canada

##### Occupational exposure limits

Ingredient name	Exposure limits
Staph Xtra Latex Reagent Boric acid	<b>CA British Columbia Provincial (Canada, 5/2015).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Inhalable STEL: 6 mg/m <sup>3</sup> 15 minutes. Form: Inhalable <b>CA Ontario Provincial (Canada, 7/2015).</b> TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction STEL: 6 mg/m <sup>3</sup> 15 minutes. Form: Inhalable fraction <b>CA Saskatchewan Provincial (Canada, 7/2013).</b> STEL: 6 mg/m <sup>3</sup> 15 minutes. Form: Inhalable fraction TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction

**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.

### 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. 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.

#### 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.

## Section 8. Exposure controls/personal protection

- 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** : Not required under normal conditions of use.

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: PL.1083, PL.1084 PL.1085, PL.1086	Liquid. [Suspension.] Liquid. [Suspension.]
<b>Color</b>	: PL.1083, PL.1084 PL.1085, PL.1086	Blue. Blue.
<b>Odor</b>	: Not available.	
<b>Odor threshold</b>	: Not available.	
<b>pH</b>	: PL.1083, PL.1084 PL.1085, PL.1086	8.3 8.3
<b>Melting point</b>	: Not available.	
<b>Boiling point</b>	: Not available.	
<b>Flash point</b>	: Not available.	
<b>Fire point</b>	: Not available.	
<b>Evaporation rate</b>	: Not available.	
<b>Flammability (solid, gas)</b>	: Not available.	
<b>Lower and upper explosive (flammable) limits</b>	: Not available.	
<b>Vapor pressure</b>	: Not available.	
<b>Vapor density</b>	: Not available.	
<b>Relative density</b>	: Not available.	
<b>Solubility</b>	: Not available.	
<b>Partition coefficient: n-octanol/water</b>	: Not available.	
<b>Auto-ignition temperature</b>	: Not available.	
<b>Decomposition temperature</b>	: Not available.	
<b>Viscosity</b>	: Not available.	

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : Not available.

## Section 10. Stability and reactivity

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

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

There is no data available.

#### Irritation/Corrosion

There is no data available.

#### Sensitization

There is no data available.

#### Mutagenicity

There is no data available.

#### Carcinogenicity

There is no data available.

#### Reproductive toxicity

There is no data available.

#### Teratogenicity

There is no data available.

#### Specific target organ toxicity (single exposure)

There is no data available.

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

There is no data available.

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

### Potential acute health effects

<b>Eye contact</b>	: PL.1083, PL.1084 PL.1085, PL.1086	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Inhalation</b>	: PL.1083, PL.1084 PL.1085, PL.1086	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	: PL.1083, PL.1084 PL.1085, PL.1086	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: PL.1083, PL.1084 PL.1085, PL.1086	No known significant effects or critical hazards. No known significant effects or critical hazards.

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

<b>Eye contact</b>	: No known significant effects or critical hazards.
<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Skin contact</b>	: No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.

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

#### Short term exposure

## Section 11. Toxicological information

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

**Long term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

**Potential chronic health effects**

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

There is no data available.

**Other information** : Not available.

## Section 12. Ecological information

**Toxicity**

Product/ingredient name	Result	Species	Exposure
Staph Xtra Latex Reagent Boric acid	Acute LC50 133000 µg/L Fresh water Acute LC50 108 mg/L Marine water Chronic NOEC 6000 µg/L Fresh water Chronic NOEC 2100 µg/L Fresh water	Daphnia - Daphnia magna - Neonate Fish - Paralichthys olivaceus Daphnia - Daphnia magna Fish - Oncorhynchus mykiss	48 hours 96 hours 21 days 87 days

**Persistence and degradability**

There is no data available.

**Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Staph Xtra Latex Reagent Boric acid	-1.09	-	low

**Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : 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 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

	<b>DOT</b>	<b>TDG</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-	-
<b>Transport hazard class(es)</b>	-	-	-	-
<b>Packing group</b>	-	-	-	-
<b>Environmental hazards</b>	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-

**AERG** : Not applicable

**Special precautions for user** : **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.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**United States inventory (TSCA 8b):** All components are listed or exempted.

**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

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



## Section 15. Regulatory information

**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>Staph Xtra Latex Reagent</b> Sodium Azide	<0.1	Yes.	500	-	1000	-
<b>Negative Control Latex Reagent</b> Sodium Azide	<0.1	Yes.	500	-	1000	-

**SARA 304 RQ** : 1020408.2 lbs / 463265.3 kg

### SARA 311/312

**Classification** : Not applicable.

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
<b>Staph Xtra Latex Reagent</b> Boric acid	≤0.3	No.	No.	No.	No.	Yes.

### SARA 313

There is no data available.

### 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.

### California Prop. 65

No products were found.

### Canada

#### Canadian lists

**Canadian NPRI** : None of the components are listed.

**CEPA Toxic substances** : None of the components are listed.

**Canada inventory** : All components are listed or exempted.

## Section 16. Other information

### Procedure used to derive the classification

Classification	Justification
Not classified.	

### History

**Date of issue mm/dd/yyyy** : 02/15/2017

**Date of previous issue** : 01/01/2016

**Version** : 5



## Section 16. Other information

Prepared by : KMK Regulatory Services Inc.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. 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.