

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

### Identification of the substance or mixture

**Product code** 466002  
**Product name** WASH BUFFER I

### Company/undertaking identification

Life Technologies  
5791 Van Allen Way  
PO Box 6482  
Carlsbad, CA 92008  
+1 760 603 7200

Life Technologies  
5250 Mainway Drive  
Burlington, ONT  
CANADA L7L 6A4  
800/263-6236

### 24 hour Emergency Response:

866-536-0631  
301-431-8585  
Outside of the U.S. +1-301-431-8585

**For research use only. Not intended for human or animal diagnostic or therapeutic uses.**

## SECTION 2: Hazards identification

### GHS - Classification

**Signal Word**  
WARNING



### Health hazards

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ systemic toxicity (single exposure)	Category 3

### Physical hazards

Not Hazardous

### **Hazard Statements**

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H402 - Harmful to aquatic life  
H412 - Harmful to aquatic life with long lasting effects

### **Precautionary Statements**

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs: Get medical advice/attention  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P273 - Avoid release to the environment

### **Principle Routes of Exposure**

#### **Potential Health Effects**

<b>eyes</b>	Irritating to eyes.
<b>Skin</b>	Harmful in contact with skin.
<b>inhalation</b>	May be harmful by inhalation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Injection</b>	May be harmful if injected.

#### **Specific effects**

<b>Carcinogenic effects</b>	None
<b>Mutagenic effects</b>	None
<b>Reproductive toxicity</b>	None
<b>Sensitization</b>	None

<b>Target Organ Effects</b>	None under normal use conditions
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### **HMIS**

Health	2
Flammability	0
Reactivity	0

### **SECTION 3: Composition/information on ingredients**

Chemical Name	CAS-No	EINECS-No	Weight %
Thiocyanic acid, compound with guanidine (1:1)	593-84-0	209-812-1	7-13

Contact with acids or bleach liberates toxic gases. DO NOT ADD acids or bleach to any liquid wastes containing this product. We recommend handling all chemicals with caution.

### **SECTION 4: First aid measures**

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<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing and wash it before reuse. Immediate medical attention is required.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
<b>Ingestion</b>	Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.
<b>Notes to Physician</b>	Treat symptomatically.

#### SECTION 5: Firefighting measures

<b>Suitable extinguishing media</b>	Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
<b>Special protective equipment for firefighters</b>	Wear self-contained breathing apparatus and protective suit.

#### SECTION 6: Accidental release measures

<b>Personal precautions</b>	Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protection equipment.
<b>Methods for cleaning up</b>	Soak up with inert absorbent material.

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

See Section 12 for more information.

#### SECTION 7: Handling and storage

<b>Handling</b>	Always wear recommended Personal Protective Equipment. No special handling advices are necessary.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

#### SECTION 8: Exposure controls/personal protection

#### Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Thiocyanic acid, compound with guanidine (1:1)	None	None	None	None

<b><u>Engineering measures</u></b>	Ensure adequate ventilation, especially in confined areas.
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#### **Personal Protective Equipment**

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection** Impervious gloves.  
**Eye protection** Goggles.

**Skin and Body Protection  
Hygiene measures**

Lightweight protective clothing.  
Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure  
controls**

Prevent product from entering drains. Do not allow material to contaminate ground water system.

**SECTION 9: Physical and chemical properties****General information**

<b>Form</b>	Liquid	
<b>Appearance</b>	No information available	
<b>Odor</b>	No information available	
<b>Boiling point / boiling range</b>	°C No data available	°F No data available
<b>Melting point / melting range</b>	°C No data available	°F No data available
<b>flash point</b>	°C No data available	°F No data available
<b>Autoignition Temperature</b>	°C No data available	°F No data available
<b>Oxidizing properties</b>	No information available	
<b>Water solubility</b>	soluble	

**SECTION 10: Stability and reactivity**

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	Strong oxidizing agents. Strong acids. Cyanide compounds. Contact with acids or bleach liberates toxic gases. DO NOT ADD acids or bleach to any liquid wastes containing this product.
<b>Hazardous decomposition products</b>	Carbon oxides, Nitrogen Oxides. Sulphur oxides.
<b>polymerization</b>	None under normal processing.

**SECTION 11: Toxicological information****Acute Toxicity**

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Thiocyanic acid, compound with guanidine (1:1)	593 mg/kg	No data available	No data available

**Principle Routes of Exposure****Potential Health Effects**

<b>eyes</b>	Irritating to eyes
<b>Skin</b>	Harmful in contact with skin
<b>inhalation</b>	May be harmful by inhalation
<b>Ingestion</b>	May be harmful if swallowed
<b>Injection</b>	May be harmful if injected.
<b>Carcinogenic effects</b>	None
<b>Mutagenic effects</b>	None
<b>Reproductive toxicity</b>	None.
<b>Sensitization</b>	None

**Target Organ Effects**

None under normal use conditions

**SECTION 12: Ecological information**

<b>Ecotoxicity</b>	No information available
<b>Acute aquatic toxicity</b>	Category 3
<b>Chronic aquatic toxicity</b>	Category 3
<b>Mobility</b>	No information available
<b>Biodegradation</b>	No information available
<b>Bioaccumulation</b>	No information available

**SECTION 13: Disposal considerations**

Dispose of contents/containers in accordance with local regulations.

**SECTION 14: Transport information****IATA**

<b>Proper shipping name</b>	No dangerous good in sense of these transport regulations.
<b>Hazard Class</b>	None
<b>Subsidiary class</b>	None
<b>Packing group</b>	None
<b>UN-No</b>	none

## SECTION 15: Regulatory information

Component	TSCA
Thiocyanic acid, compound with guanidine (1:1) 593-84-0 ( 7-13 )	Listed

### US Federal Regulations

#### SARA 313

This product is not regulated by SARA.

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

### US State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Thiocyanic acid, compound with guanidine (1:1)	-	-	-	-	-

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### WHMIS Hazard Class

D2B - Toxic materials



This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## SECTION 16: Other information

#### Reason for revision

SDS sections updated.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

**End of Safety Data Sheet**