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1. Identification of the substance/mixture and of the company/undertaking

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**Identification of the substance/preparation**

<b>Product code</b>	360128
<b>Product name</b>	TETRAZOLE AMINE

**Company/Undertaking Identification**

Life Technologies  
5791 VAN ALLEN WAY  
PO BOX 6482  
CARLSBAD, CA 92008  
+1 760 603 7200

INVITROGEN CORPORATION  
5250 MAINWAY DRIVE  
BURLINGTON, ONT  
CANADA L7L 6A4  
800/263-6236

<b>24 hour Emergency Response (Transport):</b>	866-536-0631 301-431-8585 Outside of the U.S. +1-301-431-8585
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**For research use only. Not intended for human or animal diagnostic or therapeutic uses.**

**GHS - Classification**

**Signal Word**  
**WARNING**

**Health Hazard**

Acute oral toxicity	Category 4
Serious Eye Damage/Eye Irritation	Category 2
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

**Precautionary statements**

P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing  
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell  
 P332 + P313 - If skin irritation occurs: Get medical advice/attention  
 P337 + P313 - If eye irritation persists: Get medical advice/attention  
 P362 - Take off contaminated clothing and wash before reuse

**Principle Routes of Exposure/  
 Potential Health effects**

<b>Eyes</b>	Irritating to eyes.
<b>Skin</b>	Irritating to skin.
<b>Inhalation</b>	Irritating to respiratory system.
<b>Ingestion</b>	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**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

#### HMIS

Health	1
Flammability	0
Reactivity	0

### 3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
TETRAZOLE AMINE	93183-36-9	-	60-100

We recommend handling all chemicals with caution.

### 4. First aid measures

<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. 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 Centre immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.
<b>Notes to physician</b>	Treat symptomatically.

### 5. Fire-fighting 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.

### 6. Accidental release measures

<b>Personal precautions</b>	Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.
<b>Methods for cleaning up</b>	Take up mechanically and collect in suitable container for disposal.

#### Environmental precautions

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

See Section 12 for additional information.

### 7. Handling and storage

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

## 8. Exposure controls/personal protection

### Exposure limits

We are not aware of any national exposure limit.

**Engineering measures** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

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

**Hand protection** Impervious gloves.

**Eye protection** Safety glasses with side-shields.

**Skin and body protection.** Lightweight protective clothing.

**Hygiene measures** 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.

## 9. Physical and chemical properties

### General Information

<b>Form</b>	solid	
<b>Appearance</b>	powder	
<b>Odor</b>	No information available	
<b>Boiling Point/Range</b>	°C no data available	°F no data available
<b>Melting point/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	

## 10. Stability and reactivity

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	Strong oxidizing agents
<b>Hazardous decomposition products</b>	No information available.
<b>polymerization</b>	None under normal processing.

## 11. Toxicological information

### Acute toxicity

No toxicology information is available

**Principle Routes of Exposure/  
Potential Health effects**

<b>Eyes</b>	Irritating to eyes.
<b>Skin</b>	Irritating to skin.
<b>Inhalation</b>	Irritating to respiratory system.
<b>Ingestion</b>	May be harmful if swallowed Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<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

**12. Ecological information**

<b>Ecotoxicity effects</b>	No information available.
<b>Mobility</b>	No information available.
<b>Biodegradation</b>	No information available.
<b>Bioaccumulation</b>	No information available.

**13. Disposal considerations**

Dispose of in accordance with local regulations.

**14. Transport information**

**IATA**

<b>Proper shipping name</b>	Not classified as dangerous in the meaning of transport regulations
<b>Hazard class</b>	none
<b>Subsidiary Class</b>	none
<b>Packing group</b>	none
<b>UN-No</b>	none

## 15. Regulatory information

### U.S. 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 contain HAPs.

### U.S. State Regulations

#### **California Proposition 65**

This product does not contain chemicals listed under Proposition 65

#### **WHMIS hazard class:**

D2B Toxic materials



This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

## 16. Other information

#### **Reason for Revision**

(M)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 MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

**End of Safety Data Sheet**