

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

### Identification of the substance or mixture

**Product code** 12372025  
**Product name** CD Hybridoma AGT <sup>TM</sup>

### 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

### **Country specific Emergency Number (if available):**

CHEMTREC Brazil (Rio De Janeiro) +(55)-2139581449 (português)

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

## SECTION 2: Hazards identification

### GHS - Classification

#### **Signal Word**

Not Hazardous

#### **Health hazards**

Not Hazardous

#### **Physical hazards**

Not Hazardous

### **Principle Routes of Exposure**

#### **Potential Health Effects**

**eyes**

May cause eye irritation with susceptible persons.

**Revision date** 26-May-2015  
**Product code** 12372025

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**Product name** CD Hybridoma AGT <sup>TM</sup>

<b>Skin</b>	May cause skin irritation in susceptible persons.
<b>inhalation</b>	May be harmful by inhalation.
<b>Ingestion</b>	May be harmful if swallowed.

#### 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>	No known effects under normal use conditions
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#### HMIS

Health	0
Flammability	0
Reactivity	0

### SECTION 3: Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
Ammonium Compound	-	Not Listed	<0.01
Barium Compounds	-	Not Listed	<0.01
Cadmium Compounds	-	Not Listed	<0.01
Silver Compounds	-	Listed	<0.01
Tin Compound	-	Not Listed	<0.01
Sodium selenite	10102-18-8	-	<0.00011

Contact with acids or bleach liberates toxic gases. DO NOT ADD acids or bleach to any liquid wastes containing this product. The product contains no substances which at their given concentration, are considered to be hazardous to health.

### SECTION 4: First aid measures

<b>Skin contact</b>	Rinse cautiously with water for several minutes. If symptoms occur, obtain medical advice.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
<b>inhalation</b>	Remove to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
<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

**Personal precautions**  
**Methods for cleaning up**

Use personal protection equipment.  
Take up mechanically, placing in appropriate containers for disposal.

**Environmental precautions**

No special environmental precautions required.

See Section 12 for more information.

**SECTION 7: Handling and storage**

**Handling** Always wear recommended Personal Protective Equipment. No special handling advices are necessary.  
**Storage** Keep in a dry, cool and well-ventilated place.

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

**Exposure Limits**

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Ammonium Compound	5 mg/m <sup>3</sup>	None	0.5 mg/m <sup>3</sup>	None
Barium Compounds	0.5 mg/m <sup>3</sup>	None	0.5 mg/m <sup>3</sup>	None
Cadmium Compounds	None	None	0.01 mg/m <sup>3</sup> 0.002 mg/m <sup>3</sup>	None
Silver Compounds	0.01 mg/m <sup>3</sup>	None	0.01 mg/m <sup>3</sup>	None
Tin Compound	2 mg/m <sup>3</sup>	None	2 mg/m <sup>3</sup>	None
Sodium selenite	0.2 mg/m <sup>3</sup>	None	0.2 mg/m <sup>3</sup>	None

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

**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** Wear safety glasses with side shields (or goggles).

**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.

**SECTION 9: Physical and chemical properties**

**General information**

**Form** powder  
**Appearance** No information available  
**Odor** No data available  
**Odor Threshold** No data available  
**Boiling point / boiling range** °C No data available °F No data available  
**Melting point / melting range** °C No data available °F No data available

flash point	°C No data available	°F No data available
Autoignition Temperature	°C No data available	°F No data available
Oxidizing properties	No information available	
Water solubility	soluble	
Viscosity	No data available	

## SECTION 10: Stability and reactivity

<b>Stability</b>	Stable under normal conditions. Contact with acids or bleach liberates toxic gases. DO NOT ADD acids or bleach to any liquid wastes containing this product.
<b>Materials to avoid</b>	sodium hypochlorite.
<b>Hazardous decomposition products</b>	None under normal use conditions.
<b>polymerization</b>	Hazardous polymerization does not occur.

## SECTION 11: Toxicological information

### Acute Toxicity

Chemical Name	LD50 (oral,rat/mouse)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat/mouse)
Ammonium Compound	No data available	No data available	No data available
Barium Compounds	No data available	No data available	No data available
Cadmium Compounds	No data available	No data available	No data available
Silver Compounds	= 1173 mg/kg (Rat)	No data available	No data available
Tin Compound	No data available	No data available	No data available
Sodium selenite	= 7 mg/kg (Rat)	No data available	No data available

### Principle Routes of Exposure

#### Potential Health Effects

<b>eyes</b>	May cause eye irritation with susceptible persons
<b>Skin</b>	May cause skin irritation in susceptible persons
<b>inhalation</b>	May be harmful by inhalation
<b>Ingestion</b>	May be harmful if swallowed
<b>Carcinogenic effects</b>	None
<b>Mutagenic effects</b>	None
<b>Reproductive toxicity</b>	None.
<b>Sensitization</b>	None
<b>Target Organ Effects</b>	No known effects under normal use conditions

## SECTION 12: Ecological information

<b>Ecotoxicity</b>	Daphnia magna
<b>Mobility</b>	No information available
<b>Biodegradation</b>	Inherently biodegradable
<b>Bioaccumulation</b>	Material does not bioaccumulate

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
Cadmium Compounds		Daphnia magna EC500.012 - 0.054 mg/L (48 h)			

<b>Silver Compounds</b>		Daphnia magna EC500.0008 - 0.0011 mg/L (48 h) Daphnia magna EC500.0008 - 0.001 mg/L (48 h) Daphnia magna EC50=0.0006 mg/L (48 h)			
<b>Tin Compound</b>		Daphnia magna EC50=55 mg/L (48 h)			

### 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
Ammonium Compound ( <0.01 )	-
Barium Compounds ( <0.01 )	Listed
Cadmium Compounds ( <0.01 )	-
Silver Compounds ( <0.01 )	Listed
Tin Compound ( <0.01 )	-
Sodium selenite 10102-18-8 ( <0.00011 )	Listed

### US Federal Regulations

#### SARA 313

This product contains the following toxic chemical(s) subject to the notification requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986. This law requires certain manufacturers to report on annual emissions of specified chemicals and chemical categories. Please note that if you repackage, or otherwise redistribute, this product to industrial customers, a notice similar to this one should be sent to those customers:.

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
Ammonium Compound		<0.01	1.0
Barium Compounds		<0.01	1.0
Cadmium Compounds		<0.01	0.1
Silver Compounds		<0.01	1.0
Sodium selenite	10102-18-8	<0.00011	1.0

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

This product contains the following HAPs:.

Component	CAS-No	Weight %	HAPS data
Cadmium Compounds ( <0.01 )		<0.01	Present (including any unique chemical substance that contains Cadmium as part of its infrastructure)
Sodium selenite 10102-18-8 ( <0.00011 )	10102-18-8	<0.00011	Present (including any unique chemical substance that contains Selenium as part of its infrastructure)

### US State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Ammonium Compound	-	-	-	-	-
Barium Compounds	-	-	Listed	-	Listed
Cadmium Compounds	Listed	-	Listed	Listed	Listed
Silver Compounds	Listed	Listed Listed	Listed	Listed	Listed
Tin Compound	Listed	-	-	-	-
Sodium selenite	Listed	-	Listed	Listed	Listed

#### California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	CAS-No	Weight %	Category
Cadmium Compounds		<0.01	Carcinogen

## **WHMIS Hazard Class**

Non-controlled

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**