

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

**Product code** 10000C  
**Product name** Normal Goat Serum Control

**Company/undertaking identification**

Life Technologies Corporation  
5781 Van Allen Way  
PO Box 6482  
Carlsbad, CA 92008  
+1 760 603 7200

Life Technologies Japan Co. Ltd.  
2-4-3 Showajima  
Ota-ku, Tokyo  
Japan, 143-0004

TEL +81-3-6832-9300

Thermo Fisher Scientific  
Pierce Biotechnology  
P.O. Box 117  
Rockford, IL 61105  
United States  
1.815.968.0747 or  
1.800.874.3723

**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 Japan (Tokyo) +(81)-345209637 (Greeting language: Japanese)

**Use as laboratory reagent, Scientific research and development****SECTION 2: Hazards identification****GHS - Classification****Signal word**

None

**Health hazards**

Not classified

**Physical hazards**

Not classified

**hazard statements**

Not applicable

**Precautionary Statements**

Not applicable

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

**eyes** May cause eye irritation with susceptible persons.  
**Skin** May cause skin irritation in susceptible persons.  
**Inhalation** May be harmful by inhalation.  
**INGESTION** May be harmful if swallowed.

**Specific effects**

**Carcinogenic effects** None.  
**Mutagenic effects** None.  
**Reproductive toxicity** None.  
**Sensitisation** None.

**Target Organ Effects** None under normal use conditions.

## SECTION 3: Composition/information on ingredients

Component	CAS-No.	Weight percent
SODIUM AZIDE 26628-22-8 ( 0-0.2 )	26628-22-8	0-0.2

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

## SECTION 4: First aid measures

**Skin contact** Rinse cautiously with water for several minutes. Immediate medical attention is not required.  
**Eye contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
**INGESTION** Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.  
**Inhalation** Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.  
**Most important symptoms and effects, both acute and delayed**  
 Not applicable  
**Notes to Physician** Treat symptomatically.

## SECTION 5: Firefighting measures

**Suitable extinguishing media** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.  
**Special protective equipment for firefighters** Standard procedure for chemical fires.  
**Specific hazards arising from the chemical** Not known

## SECTION 6: Accidental release measures

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**Personal precautions** Always wear recommended Personal Protective Equipment. Use personal protection equipment.

**Methods for cleaning up** Soak up with inert absorbent material.

**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. Wear personal protective equipment.

**Storage** Keep in a dry, cool and well-ventilated place.

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

**Exposure Limits**

Chemical Name	Japan REL - Ceiling Limits	Japan OEL (TWA)
SODIUM AZIDE 26628-22-8	None	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** 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** No special environmental precautions required.

**SECTION 9: Physical and chemical properties**

**General information**

**Form** liquid

**Appearance** no data available

**Odour** no data available

**Odour 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

**Evaporation rate** no data available

**Flammability (solid, gas)** no data available

**Oxidising properties** no data available

**Water solubility** no data available

Upper explosion limit	no data available
Lower explosion limit	no data available
Partition coefficient: n-octanol/water	no data available
Vapour Pressure	no data available
vapour density	no data available
Viscosity	no data available
pH value	no data available

## SECTION 10: Stability and reactivity

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported
<b>Hazardous decomposition products</b>	None under normal use conditions.
<b>polymerisation</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid</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)
SODIUM AZIDE	= 27 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>Sensitisation</b>	None.
<b>Target Organ Effects</b>	None under normal use conditions

## SECTION 12: Ecological information

<b>Ecotoxicity</b>	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
<b>Mobility</b>	No information available.
<b>Biodegradation</b>	Inherently biodegradable.

**Bioaccumulation**

Material does not bioaccumulate.

## SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

## SECTION 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
<b>Environmental hazards</b>	None

## SECTION 15: Regulatory information

**Japan Chemical Inventories**

Chemical Name	Japan - ISHL Prevention of Hazards Due to Specified Chemical Substances	Japan - ISHL Mutagens - New Chemicals	Japan - Notifiable substances	Japan - ISHL Mutagens - Existing Chemicals
SODIUM AZIDE	Not Applicable	Not Applicable	>1 % weight [Table 9, 9]	Not Applicable

Chemical Name	Japan - ISHL Designated Carcinogens	Japan - ISHL Harmful Substances Whose Names Are to be Indicated on the Label	Japan - ISHL Dangerous Substances	Japan - ISHL Prevention of Organic Solvent Poisoning	Japan - ISHL Corrosive Liquids
SODIUM AZIDE	Not Applicable	Not Applicable	Explosive substance	Not Applicable	Not Applicable

Chemical Name	Japan - Pollutant Release Transfer Register (PRTR) - Class 1 Substances	Japan - Pollutant Release Transfer Register (PRTR) - Class 2 Substances	Japan - Poisonous and Deleterious Substances
SODIUM AZIDE	11 $\geq$ 1 %	Not Applicable	Poisonous, >0.1% [Enforcement Order 1] (listed under Sodium azide and its preparation)

Chemical Name	Japan - Fire Service Law - Hazardous Materials	Japan - Fire Service Law - Designation of Materials Requiring Notification
SODIUM AZIDE	Group 5 - Self-reactive materials II (listed under Heavy metal azides)	100 kg TQ (listed under Type 2 Self-reactive materials)

## SECTION 16: Other information

Unless specifically referenced in section 15 of this SDS, we have determined that this product does not require further notification or listing under the following Japanese regulations or laws: Fire Service Law, Poisonous and Deleterious Substance Control Law, Pollutant Release and Transfer Register, Industrial Safety and Health Law, Chemical Substance Control Law, Prohibition of Chemical Weapons and Regulation Specific Chemicals, Water Pollution Control Law, Air Pollution Control Law, Narcotics and Psychotropic Control Act, Stimulants Control Act, and Cannabis Control Act.

**Reason for revision** SDS sections updated.

Use as laboratory reagent. Scientific research and development.

"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**