

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: January 26, 2018

Revision: January 26, 2018

### 1 Identification

- **Product identifier**
- **Trade name:** CA CAL S
- **Other means of identification:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Diagnostic testing
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
 SYSMEX AMERICA, Inc  
 577 Aptakistic Road  
 Lincolnshire, IL 60069 USA  
 Phone: 847-996-4500  
 1-800-3SYSMEX (1-800-379-7639)
- **Emergency telephone number:**  
 ChemTel Inc.  
 (800)255-3924 (North America)  
 +1 (813)248-0585 (International)



### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
 The product is not classified as hazardous according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements:** Not regulated.
- **Hazard pictograms:** Not regulated.
- **Signal word:** Not regulated.
- **Hazard statements:** Not regulated.
- **Precautionary statements:** Not regulated.
- **Other hazards:** There are no other hazards not otherwise classified that have been identified.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Components:** None in reportable quantities.

· **Notable Trace Components (< 0.1% w/w)**

26628-22-8	sodium azide		
			Acute Tox. 2, H300; Acute Tox. 2, H310
			STOT RE 2, H373

### 4 First-aid measures

(Cont'd. on page 2)

**Sysmex America, Inc.**

577 Aptakistic Road, Lincolnshire, IL 60069  
 Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)  
 CA CAL C

[www.sysmex.com](http://www.sysmex.com)

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: January 26, 2018

Revision: January 26, 2018

**Trade name: CA CAL S**

(Cont'd. of page 1)

- **Description of first aid measures**
- **After inhalation:**  
Unlikely route of exposure.  
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately rinse with water.  
Seek medical treatment in case of complaints.
- **After eye contact:**  
Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:**  
Slight irritant effect on eyes.  
Gastric or intestinal disorders when ingested.  
Nausea in case of ingestion.
- **Indication of any immediate medical attention and special treatment needed:**  
No relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
The product is not flammable.  
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation.  
Use personal protective equipment as required.
- **Environmental precautions** No special measures required.
- **Methods and material for containment and cleaning up**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the collected material according to regulations.

(Cont'd. on page 3)

**Sysmex America, Inc.**

577 Aptakisic Road, Lincolnshire, IL 60069

Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)

CA CAL C

Document No.: F-EHS-07215 Rev. 1.0

Page 2 of 9

[www.sysmex.com](http://www.sysmex.com)

Effective Date: 15 Feb 2018#

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: January 26, 2018

Revision: January 26, 2018

**Trade name: CA CAL S**

· **Reference to other sections**

(Cont'd. of page 2)

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

### 7 Handling and storage

· **Handling**

· **Precautions for safe handling:**

- Avoid breathing mist, vapors, or spray.
- Avoid contact with the eyes and skin.
- Open and handle receptacle with care.
- Use only in well ventilated areas.

· **Information about protection against explosions and fires:**

- Keep respiratory protective device available.

· **Conditions for safe storage, including any incompatibilities**

· **Requirements to be met by storerooms and receptacles:**

- Store in cool, dry conditions in well sealed receptacles.

· **Information about storage in one common storage facility:** Store away from foodstuffs.

· **Specific end use(s)** No relevant information available.

### 8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**26628-22-8 sodium azide**

REL (USA)	Ceiling limit value: 0.3** mg/m <sup>3</sup> , 0.1* ppm *as HN <sub>3</sub> ; **as NaN <sub>3</sub> ; Skin
TLV (USA)	Ceiling limit value: 0.29** mg/m <sup>3</sup> , 0.11* ppm *as HN <sub>3</sub> vapor **as NaN <sub>3</sub>
EL (Canada)	Ceiling limit value: 0.29* mg/m <sup>3</sup> , 0.11** ppm *sodium azide;**hydrazoic acid vapour
EV (Canada)	Ceiling limit value: 0.26 mg/m <sup>3</sup> , 0.1 ppm
LMPE (Mexico)	Ceiling limit value: 0.29 0.11* mg/m <sup>3</sup> A4,*como vapor de ácido hidrazoico

· **Exposure controls**

· **General protective and hygienic measures:**

- The usual precautionary measures for handling chemicals should be followed.
- Keep away from foodstuffs, beverages and feed.
- Wash hands before breaks and at the end of work.
- Avoid breathing mist, vapors, or spray.

(Cont'd. on page 4)

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: January 26, 2018

Revision: January 26, 2018

**Trade name: CA CAL S**

(Cont'd. of page 3)

- Avoid contact with the eyes and skin.
- **Engineering controls:** No relevant information available.
- **Breathing equipment:** Not required under normal conditions of use.
- **Protection of hands:**



Protective gloves

Gloves are advised for repeated or prolonged contact.  
Wear protective gloves to handle contents of damaged or leaking units.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Eye protection:**  
Follow relevant national guidelines concerning the use of protective eyewear.



Safety glasses

- **Body protection:** Not required under normal conditions of use.
- **Limitation and supervision of exposure into the environment** No special requirements.
- **Risk management measures** No relevant information available.

### 9 Physical and chemical properties

#### · Information on basic physical and chemical properties

##### · Appearance:

· <b>Form:</b>	Liquid
· <b>Color:</b>	Colorless
· <b>Odor:</b>	Odorless
· <b>Odor threshold:</b>	Not determined.

· <b>pH-value:</b>	Neutral
· <b>Melting point/Melting range:</b>	Not determined.
· <b>Boiling point/Boiling range:</b>	Not determined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product does not present an explosion hazard.

##### · Explosion limits

· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.

· **Oxidizing properties:** Non-oxidizing.

(Cont'd. on page 5)

**Sysmex America, Inc.**

[www.sysmex.com](http://www.sysmex.com)

577 Aptakisic Road, Lincolnshire, IL 60069

Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)

CA CAL C

Document No.: F-EHS-07215 Rev. 1.0

Page 4 of 9

Effective Date: 15 Feb 2018#

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: January 26, 2018

Revision: January 26, 2018

**Trade name: CA CAL S**

(Cont'd. of page 4)

· <b>Vapor pressure:</b>	Not determined.
· <b>Density:</b>	
<b>Relative density:</b>	Not determined.
<b>Vapor density:</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Other information</b>	No relevant information available.

### 10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** Reacts with certain metals.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** Oxidizing agents
- **Hazardous decomposition products** Carbon monoxide and carbon dioxide

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

**26628-22-8 sodium azide**

Oral LD50 27 mg/kg (rat)

Dermal LD50 20 mg/kg (rabbit)

- **Primary irritant effect:**
- **On the skin:** Based on available data, the classification criteria are not met.
- **On the eye:** Slight irritant effect on eyes.
- **Sensitization:** No sensitizing effects known.

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

(Cont'd. on page 6)

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: January 26, 2018

Revision: January 26, 2018

**Trade name: CA CAL S**

(Cont'd. of page 5)

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

- Ingestion.
- Eye contact.
- Skin contact.

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

### 12 Ecological information

· **Toxicity**

· **Aquatic toxicity**

**26628-22-8 sodium azide**

LC50 10.5 mg/l (Oncorhynchus mykiss)

5.46 mg/l (pimephales promelas)

EC50 0.35 mg/l (Pseudokirchneriella subcapitata)

· **Persistence and degradability** No relevant information available.

· **Bioaccumulative potential:** No relevant information available.

· **Mobility in soil:** No relevant information available.

· **Additional ecological information**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No relevant information available.

### 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

(Cont'd. on page 7)



### Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: January 26, 2018

Revision: January 26, 2018

**Trade name: CA CAL S**

(Cont'd. of page 6)

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

#### 14 Transport information

· <b>UN-Number</b> · DOT, ADR, IMDG, IATA	Not regulated.
· <b>UN proper shipping name</b> · DOT, ADR, IMDG, IATA	Not regulated.
· <b>Transport hazard class(es)</b> · DOT, ADR, IMDG, IATA · Class	Not regulated.
· <b>Packing group</b> · DOT, ADR, IMDG, IATA	Not regulated.
· <b>Environmental hazards</b> · Marine pollutant:	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

#### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· <b>Section 302 (extremely hazardous substances):</b>
26628-22-8   sodium azide
· <b>Section 355 (extremely hazardous substances):</b>
26628-22-8   sodium azide
· <b>Section 313 (Specific toxic chemical listings):</b>
26628-22-8   sodium azide
· <b>TSCA (Toxic Substances Control Act)</b>

(Cont'd. on page 8)



## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: January 26, 2018

Revision: January 26, 2018

**Trade name: CA CAL S**

(Cont'd. of page 7)

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** January 26, 2018 / -

· **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety & Health Administration

· **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN:

(Cont'd. on page 9)

**Sysmex America, Inc.**

[www.sysmex.com](http://www.sysmex.com)

577 Aptakisic Road, Lincolnshire, IL 60069

Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)

CA CAL C

Document No.: F-EHS-07215 Rev. 1.0

Page 8 of 9

Effective Date: 15 Feb 2018#





## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: January 26, 2018

Revision: January 26, 2018

**Trade name: CA CAL S**

(Cont'd. of page 8)

978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: [www.chemtelinc.com](http://www.chemtelinc.com)

**Sysmex America, Inc.**

577 Aptakisic Road, Lincolnshire, IL 60069

Phone 847-996-4500 · 1-800-3SYSMEX (1-800-379-7639)

CA CAL C

Document No.: F-EHS-07215 Rev. 1.0

Page 9 of 9

[www.sysmex.com](http://www.sysmex.com)

Effective Date: 15 Feb 2018#