

**SAFETY DATA SHEET**

## COMPANY IDENTIFICATION

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Date of issue : January 16, 2007

SDS No. : •

**PRODUCT NAME** For use with ADAMS™ A<sub>1c</sub> CALIBRATOR**PRODUCT CODES** 71179

COMPONENT OF PACKAGING:	Bill of Materials	Volume	Hazardous substances
	CALIBRATOR Low	6mL × 3	Human source hemoglobin
	CALIBRATOR High	6mL × 3	Human source hemoglobin
	CALIBRATOR Diluent	15mL × 3	Sodium Azide

**PRODUCT IDENTIFICATION** : This product is applicable for the following purpose of use only.

- € Use: Exclusive reagents for ADAMS A1c HA-8160

### BILL OF MATERIALS

#### CALIBRATOR Low CALIBRATOR High

## SUBSTANCE IDENTIFICATION

: Reddish solid €freeze-dried • contained in polyethylene container•

## COMPOSITION / INFORMATION ON INGREDIENTS

Composition	CAS No.	Symbol and R-phrases(*)	EINECS No	Concentration (wt • )
Human source hemoglobin	---	---	---	0.6 or less

The reagent is not classified as a dangerous preparation according to 1999/45/EC and 67/548/EEC.  
 But it contains human source hemoglobin.  
 Therefore handle with care for it.

The identification danger: Symbol: ---  
 R-phrases: ---

## HAZARDS IDENTIFICATION

Hazardous Nature  
 Harmful Effect

This product contains material derived from human sources. All human source components in this product have been tested and found non-reactive for Hepatitis B surface Antigen, Hepatitis C Virus (HCV) and HIV1/HIV2 Antibody . However, as infectiousness except above four is not tested, this product should be considered potentially capable of transmitting infectious disease as well as patient samples and handled with care.

## FIRST AID MEASURES

Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes.  
 Consult a physicians immediately.

Skin Contact : Immediately flush skin with soap and plenty of water. Consult a physician immediately in case of itch or inflammation.

Inhalation : Rinse mouth, nose, and throat, and give plenty of water to dilute the substance.  
 Consult a physician immediately.

Ingestion : After the water has been swallowed, try to get the person to vomit.  
 Consult a physician immediately.

## FIRE FIGHTING MEASURES

Measures : •  
Extinguishing Media : •

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ACCIDENTAL RELEASE MEASURE: After wiping with hygroscopic towels/paper towels, wipe off with rubbing alcohol or sodium hypochlorite.

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#### HANDLING AND STORAGE

Handling : Use appropriate protective equipment and avoid skin or eye contact.  
Storage : Store at 2 – 8 °C, seal securely  
#See the package insert for further handling information.

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#### EXPOSURE CONTROLS / PERSONAL PROTECTION

Control concentration : OSHA(PEL) : No data available  
Facility concentration : Not necessary in handling in normal temperature and pressure.  
Protective clothing : Protective eyewear, protective glove and protective clothing.

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#### PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Reddish solid ( freeze-dried )  
Boiling point : No data available  
Melting point : No data available  
Solubility: : Easily soluble in water

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#### STABILITY AND REACTIVITY

Flash point : No data available  
Ignition point : No data available  
Stability/reactivity : Stable

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#### TOXICOLOGICAL INFORMATION

Stimulation : No data available  
Sensitization : No data available  
Acute toxicity : No data available  
Subacute toxicity : No data available  
Chronic toxicity : No data available

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ECOLOGICAL INFORMATION : No data available

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#### DISPOSAL CONSIDERATION

Dispose of biohazardous waste in accordance with all applicable regulations. Any disposal practice must be in compliance with company, local, state, and federal laws and regulations. (Contact country, local or state environmental agency for disposal instructions.)

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#### TRANSPORT INFORMATION

IATA : Not restricted as the mixture.

Carefully handle not to damage packaging and container. Be cautious about fire.

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#### REGULATORY INFORMATION

This product is not classified as a dangerous preparation according to 1999/45/EC and 67/548/EEC and 2001/58/EC.

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**BILL OF MATERIALS****CALIBRATOR Diluent****SUBSTANCE IDENTIFICATION**

: Colorless solution-type mixture •contained in polyethylene container•

**COMPOSITION /INFORMATION ON INGREDIENTS**

Composition	CAS No.	Symbol and R-phrases(*)	EINECS No	Concentration (wt• )
Sodium azide	26628-22-8	---	247-852-1	0.03 or less
Phosphate	---	---	---	0.1 or less
Detergent (anion)	---	---	---	0.6 or less

This product is not classified as a dangerous preparation according to 1999/45/EC and 67/548/EEC and following amendments and modifications.

The identification danger: Symbol: ---  
R-phrases: ---

**HAZARDS IDENTIFICATION****Hazardous Nature**

As the reagent contains an oxidizing agent, contact with reducing agent or flammable material is at risk of bringing about an exothermic reaction.

As the reagent contains sodium azide, explosive hydrogen azide can be generated by reacting with metal.

**Harmful Effect**

Both the oxidizing agent and the sodium azide contained in the reagent are irritants to the mucous membranes.

**FIRST AID MEASURES****Eye Contact**

: Immediately flush with copious amount of water for at least 15 minutes and then have treated by medical personnel.

**Skin Contact**

: Wash material off the skin with copious amount of water using soap.  
If inflammation develops, get medical attention.

**Inhalation**

: Not available.(Because this is a solution-type mixture.)

**Ingestion**

: Immediately induce vomiting.

If any abnormal conditions are observed, the injured person must receive medical treatment.

**FIRE FIGHTING MEASURES****Measures**

: Shut off the origin of fire and extinguish with copious amount of water at once.

**Extinguishing Media**

: Copious amount of water

**ACCIDENTAL RELEASE MEASURE:** Wash thoroughly before it dries up, or wash off with copious amount of water if it has already dried. Completely wash the cloth used with copious amount of water.

**HANDLING AND STORAGE****Handling**

: Caution to flammables. Avoid shock, friction, high temperature material and spark.

- Also avoid contact with combustibles or reducing materials.

Prevent leakage or scattering material and do not generate fine particles.

Be careful not to stick material to clothing. If stained, it may be ignitable.

- Never leave contaminated clothing. Sufficiently wash with water.

Do not handle in rough manners, such as reversing, falling, giving a shock or dragging.

**Storage**

: Keep in a cool dark place away from direct sunlight where extinguishing agent is equipped.

**EXPOSURE CONTROL/PERSONAL PROTECTION****Control concentration**

: OSHA(PEL) : No data available

**Facility concentration**

: Not necessary in handling in normal temperature and pressure.

**Protective clothing**

: Not necessary

**PHYSICAL/CHEMICAL PROPERTIES****Appearance**

: Colorless solution-type mixture

**Boiling point**

: No data available

**Melting point**

: No data available

**Solubility**

: No data available

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**STABILITY AND REACTIVITY**

Flash point : No data available  
Ignition point : No data available  
Stability/reactivity : Stable

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**TOXICOLOGICAL INFORMATION**

Stimulation : No data available  
Sensitization : No data available  
Acute toxicity : No data available  
Subacute toxicity : No data available  
Chronic toxicity : No data available

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**ECOLOGICAL INFORMATION** : No data available

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**DISPOSAL CONSIDERATION**

: Precipitation isolation  
Contact a licensed professional waste disposal service to dispose of this material.  
Observe all federal, state and local environmental regulation.

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**TRANSPORTATION INFORMATION**

IATA: Not restricted as the mixture.

Carefully handle not to damage packaging and container. Be cautious about fire.

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**REGULATORY INFORMATION**

This product is not classified as a dangerous preparation according to 1999/45/EC and 67/548/EEC and 2001/58/EC.

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**MODIFICATION LIST**

Date of issue December 19, 2002 : Prepared  
January 16, 2007 : Revision

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**OTHERS** Additional information : This SAFETY DATA SHEET is applicable for the following purpose of use only.  
• € Use: Exclusive reagents for ADAMS• A1c• HA-8160  
Others : Evaluation toward danger and toxicity is not necessarily sufficient. Careful handling is required.

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