

1 Identification of substance

· **Product details**

· **Trade name:** AIA-PACK CALIBRATOR SET SERIES 3

· **Article number:** Please refer to ANNEX 1

· **Application of the substance / the preparation** In Vitro Diagnostics.

· **Manufacturer** / **Supplier:**

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· **Information department:**

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· **Emergency information:** Poison Control Center: + 1 800 222 1222

2 Composition/Data on components

· **Chemical characterization**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

| | | | |
|------------|--------------|--|---------|
| 26628-22-8 | sodium azide | Danger:  3.1.O/2 | 2.5-10% |
| | | Warning:  4.1.A/1, 4.1.C/1 | |

3 Hazards identification

· **Hazard description:**



Very toxic
Dangerous for the environment

· **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to the calculation procedure of international guidelines.

Very toxic if swallowed.

Contact with acids liberates toxic gas.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· **NFPA ratings (scale 0 - 4)**



Health = 4
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 4
Fire = 0
Reactivity = 0

Printing date 08/25/2010

Reviewed on 08/25/2010

Trade name: AIA-PACK CALIBRATOR SET SERIES 3

(Contd. of page 1)

· **GHS label elements****Danger**

- 3.1/3 - Toxic in contact with skin.
- 3.1/4 - Harmful if swallowed.



- 4.1/2 - Toxic to aquatic life with long lasting effects.

· **Prevention:**

Wear protective gloves/protective clothing/eye protection/face protection.

· **Response:**

Remove/Take off immediately all contaminated clothing.

Specific measures (see on this label).

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

· **Storage:**

Store locked up.

· **Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

4 First aid measures· **General information:**

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.

5 Fire fighting measures· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Mount respiratory protective device.

· **Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

- **Measures for cleaning/collecting:** Dispose contaminated material as waste according to item 13.

7 Handling and storage· **Handling:**

- **Information for safe handling:** Store in cool, dry place in tightly closed receptacles.

- **Information about protection against explosions and fires:** No special measures required.

· **Storage:**

- **Requirements to be met by storerooms and receptacles:** No special requirements.

(Contd. on page 3)

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 08/25/2010

Reviewed on 08/25/2010

Trade name: AIA-PACK CALIBRATOR SET SERIES 3

(Contd. of page 2)

- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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

26628-22-8 sodium azide

| | |
|-----|---|
| REL | Short-term value: C 0.3** mg/m ³ , C 0.1* ppm *as HN ₃ vapor; **as NaN ₃ ; Skin |
| TLV | Short-term value: C 0.29** mg/m ³ , C 0.11* ppm *as HN ₃ vapor **as NaN ₃ |

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

- **Breathing equipment:** Not required.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Not required.

9 Physical and chemical properties

- **General Information**

| | |
|---------------|--------------------|
| Form: | Spray dried powder |
| Color: | Light beige |
| Odor: | Odorless |

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

- **Flash point:** Not applicable.

- **Auto igniting:** Product is not selfigniting.

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

(Contd. on page 4)

Trade name: AIA-PACK CALIBRATOR SET SERIES 3

(Contd. of page 3)

· **Density:** Not determined.

· **Solubility in / Miscibility with Water:** Soluble.

· **Solvent content:**
Organic solvents: 0.0 %

Solids content: 100.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** Contact with acids releases toxic gases.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **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:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Very toxic

12 Ecological information

· **Ecotoxicological effects:**

· **Remark:** Toxic for fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

13 Disposal considerations

· **Product:**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 5)

Trade name: AIA-PACK CALIBRATOR SET SERIES 3

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

(Contd. of page 4)

14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No

15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**

| | |
|------------|--------------|
| 26628-22-8 | sodium azide |
|------------|--------------|

· **Section 313 (Specific toxic chemical listings):**

| | |
|------------|--------------|
| 26628-22-8 | sodium azide |
|------------|--------------|

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

| | | |
|------------|--------------|----|
| 26628-22-8 | sodium azide | A4 |
|------------|--------------|----|

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

None of the ingredients is listed.

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

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**



Very toxic
Dangerous for the environment

· **Hazard-determining components of labelling:**

sodium azide

(Contd. on page 6)

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Trade name: AIA-PACK CALIBRATOR SET SERIES 3

(Contd. of page 5)

· Risk phrases:*Very toxic if swallowed.**Contact with acids liberates toxic gas.**Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.***· Safety phrases:***Keep locked up and out of the reach of children.**After contact with skin, wash immediately with plenty of water**Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.**Wear suitable protective clothing and gloves.**In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).***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.

· Abbreviations and acronyms:*IMDG: International Maritime Code for Dangerous Goods**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**ACGIH: American Conference of Governmental Industrial Hygienists**NFPA: National Fire Protection Association (USA)**HMIS: Hazardous Materials Identification System (USA)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent*



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ANNEX I:

AIA-PACK CALIBRATOR SET Series 3:

Revision:

12/05/2010

| Catalogue Number | Description | |
|------------------|--|---|
| | Description (on outer packaging) | Description concerned item(as on label) |
| | ST AIA-PACK cTnI 2nd-Gen CALIBRATOR SET (025305) | ST AIA-PACK cTnI 2nd-Gen CALIBRATOR (2-6) |
| | AIA-PACK BMG CALIBRATOR SET (020359) | AIA-PACK BMG CALIBRATOR (2-6) |
| | AIA-PACK C-Peptide CALIBRATOR SET(020384) | AIA-PACK C-Peptide CALIBRATOR (2-6) |
| | AIA-PACK CA 19-9 CALIBRATOR SET (020371) | AIA-PACK CA 19-9 CALIBRATOR (2-6) |