

1 Identification of substance

· **Product details**

· **Trade name:** ST AIA-PACK E2

· **Article number:** 025274

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

· **Manufacturer** / **Supplier:**

TOSOH CORPORATION
3-8-2 Shiba, Minato-ku
Tokyo 105 -8623
JAPAN

TOSOH BIOSCIENCE, INC.
6000 Shoreline Ct.; Suite 101
South San Francisco, CA94080
USA

Tel. : + 81 3 5427 5181

Phone : + 1 614 317 1909 or (800) 248 6764

Fax : + 81 3 5427 5220

Fax : + 1 877 898 9883 or (800) 685 7595

· **Information department:**

QA-RA: susan.koss@tosoh.com

www.diagnostics.us.tosohbioscience.com



· **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%
		Warning:  4.1.A/I, 4.1.C/I	

3 Hazards identification

· **Hazard description:**



Toxic

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

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

Toxic if swallowed.

Harmful 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 = 3

Fire = 0

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



HEALTH 3 Health = 3

FIRE 0 Fire = 0

REACTIVITY 0 Reactivity = 0

· **GHS label elements**



Warning

3.1/4 - Harmful in contact with skin.

Trade name: ST AIA-PACK E2

(Contd. of page 1)

Warning

- 3.1/5 - *May be harmful if swallowed.*
- 4.1/3 - *Harmful to aquatic life with long lasting effects.*

Prevention:

*Wear protective gloves/protective clothing/eye protection/face protection.
Avoid release to the environment.*

Response:

*Specific measures (see on this label).
Call a POISON CENTER or doctor/physician if you feel unwell.
Wash contaminated clothing before reuse.*

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:** *No special measures required.*

6 Accidental release measures

- **Person-related safety precautions:** *Not required.*

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.*
- **Information about storage in one common storage facility:** *Not required.*
- **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.*

(Contd. on page 3)

Trade name: ST AIA-PACK E2

(Contd. of page 2)

· 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:**

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.

· **Density:** Not determined.

· **Solubility in / Miscibility with**

Water: Soluble.

· **Solvent content:**

Organic solvents: 0.0 %

Solids content: 100.0 %

Trade name: ST AIA-PACK E2

(Contd. of page 3)

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions:** No dangerous reactions known.
- **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:

Toxic

12 Ecological information

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

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

Harmful to 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.

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

14 Transport information

· **DOT regulations:**

· **Hazard class:** -

· **Land transport ADR/RID (cross-border):**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

(Contd. on page 5)

Trade name: ST AIA-PACK E2

(Contd. of page 4)

- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **UN "Model Regulation":** -

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:**



Toxic

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

sodium azide

(Contd. on page 6)

Printing date 08/31/2010

Reviewed on 08/31/2010

Trade name: ST AIA-PACK E2

(Contd. of page 5)

· Risk phrases:*Toxic if swallowed.**Harmful 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.**Keep away from food, drink and animal feedingstuffs.**Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.**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:*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)**RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)**IMDG: International Maritime Code for Dangerous Goods**DOT: US Department of Transportation**IATA: International Air Transport Association**IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)**ICAO: International Civil Aviation Organization**ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)**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*