

	<b>Product Safety Information Sheet</b>	Page : 1 / 9
		Revision nr : 2.0
		Issue date : 02/04/2024
	<b>AIA-PACK SOLID</b>	Supersedes : 08/12/2017
		<b>See annex</b>

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : AIA-PACK SOLID  
Product group : IN VITRO DIAGNOSTIC USE ONLY  
Document no. : See annex

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.2.1. Relevant identified uses

Main use category : Professional uses  
Use of the substance/mixture : Laboratory use

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### **Supplier**

Tosoh Europe NV  
Transportstraat 4  
3980 Tessenderlo - Belgium  
T +32 13 66 88 30 - F +32 13 66 47 49  
[info.raqa.eu@tosoh.com](mailto:info.raqa.eu@tosoh.com)

#### **Manufacturer**

Tosoh Corporation  
2-2-1 Yaesu, Chuo-ku  
104-0028 Tokyo - Japan

### 1.4. Emergency telephone number

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

### 2.2. Label elements

Not applicable.

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Labelling according to Directive 67/548/EEC or 1999/45/EC

	<b>Product Safety Information Sheet</b>	Page : 2 / 9
		Revision nr : 2.0
		Issue date : 02/04/2024
	<b>AIA-PACK SOLID</b>	Supersedes : 08/12/2017
		<b>See annex</b>

### **2.3. Other hazards**

Other hazards : PBT/vPvB data : not relevant .

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## **SECTION 3: Composition/information on ingredients**

### **3.1. Substances**

Not applicable

### **3.2. Mixtures**

Comments : Reagent  
(lyophilised)

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

Additional advice : First aider: Pay attention to self-protection!. See also section 8 . Show this safety data sheet to the doctor in attendance. Treat symptomatically. In case of doubt or persistent symptoms, consult always a physician.

Inhalation : Provide fresh air. Give oxygen or artificial respiration if necessary.

Skin contact : Wash with plenty of water/....

Eyes contact : Flush with plenty of water.

Ingestion : Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

### **4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation : May be harmful if inhaled. May cause respiratory irritation.

Skin contact : May be harmful if absorbed through skin. May cause skin irritation.

Eyes contact : May cause eye irritation.

Ingestion : May be harmful if swallowed.

### **4.3. Indication of any immediate medical attention and special treatment needed**

No data available.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

Suitable extinguishing media : Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.

Unsuitable extinguishing media : none.

### **5.2. Special hazards arising from the substance or mixture**

Specific hazards : Do not allow run-off from fire-fighting to enter drains or water courses.

	<b>Product Safety Information Sheet</b>	Page : 3 / 9
		Revision nr : 2.0
		Issue date : 02/04/2024
	<b>AIA-PACK SOLID</b>	Supersedes : 08/12/2017
		<b>See annex</b>

Hazardous decomposition products in case of fire : Unknown.

### **5.3. Advice for firefighters**

Firefighting instructions : Evacuate personnel to a safe area. Special protective equipment for firefighters. In case of fire: Wear self-contained breathing apparatus.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **6.1.1. For non-emergency personnel**

For non-emergency personnel : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid dust formation. Do not breathe dust. Avoid contact with eyes.

#### **6.1.2. For emergency responders**

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

### **6.3. Methods and material for containment and cleaning up**

Methods for cleaning up : Provide adequate ventilation. Stop leak if safe to do so. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Dispose of contaminated materials in accordance with current regulations.

### **6.4. Reference to other sections**

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Avoid contact with eyes. Do not breathe dust.

Hygiene measures : Keep good industrial hygiene. Wash hands and face before breaks and immediately after handling of the product. When using do not eat, drink or smoke. Remove contaminated clothing and shoes.

### **7.2. Conditions for safe storage, including any incompatibilities**

Technical measures : Keep container tightly closed in a cool, well-ventilated place. Keep only in the original container. Protect from moisture. Do not store near or with any of the incompatible materials listed in section 10. Recommended storage temperature : 2-8°C.

### **7.3. Specific end use(s)**

No data available.

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

### **8.1. Control parameters**

Additional information : Contains no substances with occupational exposure limit values.

	<b>Product Safety Information Sheet</b>	Page : 4 / 9
		Revision nr : 2.0
		Issue date : 02/04/2024
	<b>AIA-PACK SOLID</b>	Supersedes : 08/12/2017
		<b>See annex</b>

## 8.2. Exposure controls

Engineering measure(s)	: Provide adequate ventilation. Organisational measures to prevent/limit releases, dispersion and exposure. See also section 7.
Personal protective equipment	: Choose body protection according to the amount and concentration of the dangerous substance at the work place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hand protection	: Protective gloves complying with EN 374. The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves. Gloves must be inspected prior to use.
Eye protection	: Safety glasses with side-shields (EN 166)
Respiratory protection	: Not required for normal conditions of use. Provide appropriate exhaust ventilation at places where dust is formed. Effective dust mask (EN 149). When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. full face mask (DIN EN 136). Half-face mask (DIN EN 140). In case of dust formation use respirator with filter: P1 (EN 143)
Thermal hazard protection	: Not required for normal conditions of use.
Environmental exposure controls	: Do not allow to enter into surface water or drains. Comply with applicable Community environmental protection legislation.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

Physical state	: Solid
Appearance	: Powder. (lyophilised).
Colour	: Light beige.
Odour	: odourless.
Odour threshold	: No additional information available
pH	: No additional information available
pH solution	: Not available
Relative evaporation rate (butylacetate=1)	: No additional information available
Melting / freezing point	: No additional information available
Freezing point	: No data available
Initial boiling point and boiling range	: No additional information available
Flash point	: No additional information available
Auto-ignition temperature	: No additional information available
Decomposition temperature	: No additional information available
Flammability	: No data available
Vapour pressure	: No additional information available
Vapour density	: No additional information available
Relative density	: No additional information available
Solubility	: Water: No additional information available
Partition coefficient n-octanol/water	: No additional information available
Kinematic viscosity	: Not applicable
Dynamic viscosity	: Not applicable

	<b>Product Safety Information Sheet</b>	Page : 5 / 9
		Revision nr : 2.0
		Issue date : 02/04/2024
	<b>AIA-PACK SOLID</b>	Supersedes : 08/12/2017
		<b>See annex</b>

Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Explosive limits	: No additional information available
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

## **9.2. Other information**

### **9.2.1. Information with regard to physical hazard classes**

No additional information available

### **9.2.2. Other safety characteristics**

Relative evaporation rate (butylacetate=1)	: No additional information available
Additional information	: No data available

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Stable at ambient temperature and under normal conditions of use.

### **10.2. Chemical stability**

Stable under recommended storage conditions. (2-8°C). Observe the expiry date.

### **10.3. Possibility of hazardous reactions**

None under normal processing.

### **10.4. Conditions to avoid**

See also section 7. Handling and storage.

### **10.5. Incompatible materials**

Strong oxidizing agents.

### **10.6. Hazardous decomposition products**

None.

## **SECTION 11: Toxicological information**

### **11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met) pH: No additional information available
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met) pH: No additional information available

	<b>Product Safety Information Sheet</b>	Page : 6 / 9
		Revision nr : 2.0
		Issue date : 02/04/2024
	<b>AIA-PACK SOLID</b>	Supersedes : 08/12/2017
		<b>See annex</b>

Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met) (Based on available data, the classification criteria are not met)

<b>AIA-PACK SOLID</b>	
Kinematic viscosity	Not applicable

Other information	: Symptoms related to the physical, chemical and toxicological characteristics : Reference to other sections 4.2.
-------------------	--

## **11.2. Information on other hazards**

### **11.2.1. Endocrine disrupting properties**

Adverse health effects caused by endocrine disrupting properties	: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %
--	--

### **11.2.2 Other information**

Other information	: Symptoms related to the physical, chemical and toxicological characteristics : Reference to other sections 4.2
-------------------	---

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Environmental properties	: No data available on ecotoxicity.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### **12.2. Persistence and degradability**

<b>AIA-PACK SOLID</b>	
Persistence and degradability	No additional information available.

	<b>Product Safety Information Sheet</b>	Page : 7 / 9
		Revision nr : 2.0
		Issue date : 02/04/2024
	<b>AIA-PACK SOLID</b>	Supersedes : 08/12/2017
		<b>See annex</b>

### **12.3. Bioaccumulative potential**

<b>AIA-PACK SOLID</b>	
Partition coefficient n-octanol/water	No additional information available
Bioaccumulative potential	No additional information available.

### **12.4. Mobility in soil**

<b>AIA-PACK SOLID</b>	
Mobility in soil	No additional information available
Ecology - soil	No data available.

### **12.5. Results of PBT and vPvB assessment**

<b>AIA-PACK SOLID</b>	
Results of PBT assessment	Not relevant

### **12.6. Endocrine disrupting properties**

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### **12.7. Other adverse effects**

Additional information : No data available

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Product/Packaging disposal recommendations : Handle with care. See Section 7 for information on safe handling . Do not allow to enter into surface water or drains. Dispose of contaminated materials in accordance with current regulations.

Additional information : Delivery to an approved waste disposal company.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : MS-N13.00030010 - Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

## **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

<b>ADR</b>	<b>IMDG</b>	<b>IATA</b>	<b>ADN</b>	<b>RID</b>
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

	<b>Product Safety Information Sheet</b>	Page : 8 / 9
		Revision nr : 2.0
		Issue date : 02/04/2024
	<b>AIA-PACK SOLID</b>	Supersedes : 08/12/2017
		<b>See annex</b>

ADR	IMDG	IATA	ADN	RID
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

#### **14.6. Special precautions for user**

##### **- Overland transport**

Not applicable

##### **- Transport by sea**

Not applicable

##### **- Air transport**

Not applicable

##### **- Inland waterway transport**

Not applicable

##### **- Rail transport**

Not applicable

#### **14.7. Maritime transport in bulk according to IMO instruments**

Code: IBC : Not applicable.

### **SECTION 15: Regulatory information**

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

##### **15.1.1. EU-Regulations**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

Contains no substance(s) listed on the REACH Candidate List

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

#### **15.2. Chemical safety assessment**

Not applicable

### **SECTION 16: Other information**

Indication of changes:

1.3	Details of the supplier of the safety data sheet	Modified	
-----	--	----------	--

Abbreviations and acronyms:



	<b>Product Safety Information Sheet</b>	Page : 9 / 9
		Revision nr : 2.0
		Issue date : 02/04/2024
	<b>AIA-PACK SOLID</b>	Supersedes : 08/12/2017
		<b>See annex</b>

	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	DNEL = DNEL = Derived No Effect Level
	LD50 = Median lethal dose
	N.O.S. = Not Otherwise Specified
	PNEC = Predicted No Effect Concentration
	STEL = Short term exposure limit
	TLV = Threshold limits
	TWA = time weighted average
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the : Additional information. Supplier.  
datasheet

**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

## **ANNEX: AIA-PACK SOLID, Tosoh-21**

**Revision Nr:** 20/04/2024

EN

Product code	Designation
0025726	ST AIA-PACK Homocysteine PRETREATMENT SET - PRETREATMENT-1
0020711	AIA-PACK RBC FOLATE HEMOLYZING REAGENT SET - HEMOLYZING REAGENT-1