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

1.1. Product identifier

Product form : Mixture
Trade name/designation : AIA-PACK LIQUID
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 data 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

Manufacturer

TOSOH CORPORATION
3-8-2 Shiba, Minato-ku
Tokyo 105-8623 - Japan
T + 81 3 5427 5181 - F + 81 3 5427 5220

1.4. Emergency telephone number

No data available

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

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

Not applicable.

2.3. Other hazards

Other hazards : PBT/vPvB data : not relevant .

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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

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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.
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.
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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 contact with eyes.
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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.
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6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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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 liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone. 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.

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. Take off contaminated clothing.

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. 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.

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

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.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: No data available.
Colour	: No data available.
Odour	: No data available.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting / freezing point	: No data available
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Solubility	: Water: No data available
Partition coefficient n-octanol/water	: No data available
Kinematic viscosity	: No data available
Dynamic viscosity	: No data available
Explosive properties	: Not applicable.
Oxidising properties	: Not applicable.
Explosive limits	: No data available

9.2. Other information

Additional information	: No data available
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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

None.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

None.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

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.) pH: No data available
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met.) pH: No data available
Respiratory or skin sensitisation	: Not classified (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.)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met.)
Reproductive toxicity	: Not classified (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.)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met.)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met.)
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.
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12.2. Persistence and degradability

AIA-PACK LIQUID	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

AIA-PACK LIQUID	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No data available.

12.4. Mobility in soil

AIA-PACK LIQUID	
Mobility in soil	No data available
Ecology - soil	No data available.

12.5. Results of PBT and vPvB assessment

AIA-PACK LIQUID	
Results of PBT assessment	No data available

12.6. Other adverse effects

Additional information	: No data available
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Handle with care. Safe handling: see section 7 . 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) : 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

ADR	IMDG	IATA	ADN	RID
14.1. <u>UN number</u>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. <u>UN proper shipping name</u>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. <u>Transport hazard class(es)</u>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. <u>Packing group</u>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. <u>Environmental hazards</u>				
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. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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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 REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.2. Chemical safety assessment

Not applicable

SECTION 16: Other information

Abbreviations and acronyms:

	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 datasheet : Additional information. Supplier.

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ANNEX: AIA-PACK LIQUID

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EN

Product code	Designation
0020302	AIA-PACK 27.29 CALIBRATOR SET
0020502	AIA-PACK 27.29 SAMPLE DILUTING SOLUTION
0025521	ST AIA-PACK ACTH SAMPLE DILUTING SOLUTION
0020352	AIA-PACK AFP CALIBRATOR SET
0020552	AIA-PACK AFP SAMPLE DILUTING SOLUTION
0020359	AIA-PACK BMG CALIBRATOR SET
0025528	ST AIA-PACK BNP SAMPLE DILUTING SOLUTION
0020569	AIA-PACK CK-MB SAMPLE DILUTING SOLUTION
0020587	AIA-PACK CORT SAMPLE DILUTING SOLUTION
0025583	ST AIA-PACK C-Peptidell SAMPLE DILUTING SOLUTION
0025515	ST AIA-PACK cTnI 3rd-Gen SAMPLE DILUTING SOLUTION
0025517	ST AIA-PACK Cystatin C SAMPLE DILUTING SOLUTION
0025532	ST AIA-PACK D-Dimer SAMPLE DILUTING SOLUTION
0025322	ST AIA-PACK DHEA-S CALIBRATOR SET
0025522	ST AIA-PACK DHEA-S SAMPLE DILUTING SOLUTION
0020353	AIA-PACK FER CALIBRATOR SET
0020553	AIA-PACK FER SAMPLE DILUTING SOLUTION
0020592	AIA-PACK FOLATE SAMPLE DILUTING SOLUTION
0025311	ST AIA-PACK free PSA CALIBRATOR SET
0025511	ST AIA-PACK free PSA SAMPLE DILUTING SOLUTION
0020365	AIA-PACK FSH CALIBRATOR SET
0020565	AIA-PACK FSH SAMPLE DILUTING SOLUTION
0020373	AIA-PACK HBeAg CALIBRATOR SET
0020950	AIA-PACK HBV Antibody CONTROL SET
0025519	ST AIA-PACK HCGII SAMPLE DILUTING SOLUTION
0020566	AIA-PACK HGH SAMPLE DILUTING SOLUTION
0025426	AIA-PACK Homocysteine CONTROL SET
0025325	ST AIA-PACK hsE2 CALIBRATOR SET
0025525	ST AIA-PACK hsE2 SAMPLE DILUTING SOLUTION
0025324	ST AIA-PACK iE2 CALIBRATOR SET
0025524	ST AIA-PACK iE2 SAMPLE DILUTING SOLUTION
0020395	AIA-PACK IgEII CALIBRATOR SET
0020595	AIA-PACK IgEII SAMPLE DILUTING SOLUTION
0020560	AIA-PACK IRI SAMPLE DILUTING SOLUTION
0025544	ST AIA-PACK KL-6 SAMPLE DILUTING SOLUTION
0025396	ST AIA-PACK LH II CALIBRATOR SET

Product code	Designation
0020596	AIA-PACK LH II SAMPLE DILUTING SOLUTION
0025597	ST AIA-PACK Myoglobin SAMPLE DILUTING SOLUTION
0025536	ST AIA-PACK Osteocalcin SAMPLE DILUTING SOLUTION
0020589	AIA-PACK OVCA SAMPLE DILUTING SOLUTION
0020562	AIA-PACK PAP SAMPLE DILUTING SOLUTION
0025533	ST AIA-PACK PIVKA-II SAMPLE DILUTING SOLUTION
0025542	ST AIA-PACK Presepsin SAMPLE DILUTING SOLUTION
0020555	AIA-PACK PRL SAMPLE DILUTING SOLUTION
0025539	ST AIA-PACK PROGII SAMPLE DILUTING SOLUTION
0025340	ST AIA-PACK PROGIII CALIBRATOR SET
0025540	ST AIA-PACK PROGIII SAMPLE DILUTING SOLUTION
0025312	ST AIA-PACK PSA II CALIBRATOR SET
0025512	ST AIA-PACK PSA II SAMPLE DILUTING SOLUTION
0020514	AIA-PACK RBC FOLATE SAMPLE DILUTING SOLUTION
0020710	AIA-PACK RBC FOLATE PRETREATMENT SET - PRETREATMENT-2
0025537	ST AIA-PACK SCC SAMPLE DILUTING SOLUTION
0025538	ST AIA-PACK SHBG SAMPLE DILUTING SOLUTION
0020585	AIA-PACK SLa SAMPLE DILUTING SOLUTION
0020358	AIA-PACK T4 CALIBRATOR SET
0020558	AIA-PACK T4 SAMPLE DILUTING SOLUTION
0025504	ST AIA-PACK Testosterone SAMPLE DILUTING SOLUTION
0025527	ST AIA-PACK Thyroglobulin SAMPLE DILUTING SOLUTION
0020709	AIA-PACK TgAb CONJUGATE
0020390	AIA-PACK TPOAb CALIBRATOR SET
0020490	AIA-PACK TPOAb CONTROL SET
0020708	AIA-PACK TPOAb CONJUGATE
0020590	AIA-PACK TPOAb/TgAb SAMPLE DILUTING SOLUTION
0020394	AIA-PACK TSH 3rd-Gen CALIBRATOR SET
0020594	AIA-PACK TSH 3rd-Gen SAMPLE DILUTING SOLUTION
0020382	AIA-PACK TT3 CALIBRATOR SET
0020582	AIA-PACK TT3 SAMPLE DILUTING SOLUTION
0025520	ST AIA-PACK β HCGII SAMPLE DILUTING SOLUTION