

Printing date 08/12/2015 Reviewed on 08/12/2015

1: Identification

· Product identifier

· Trade name: AST Reagent 1

· Article number: 79250A / ASVD-0850R1. · Synonyms EON 300 AST R1 / AST ENVOY R1.

· Relevant identified uses of the substance or mixture and uses advised against

· Application of the substance / the mixture

Reagent for IN VITRO diagnostic

- Kit composed of two reagents: 79250 / 55250.

· Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

ELITech Clinical Systems SAS

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- · Information department: Product safety department
- · Emergency telephone number: Contact your distributor or poison control center in your country.

2: Hazard(s) identification

- · Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation.
- · Label elements
- · Labelling according to Regulation (EC) No 1272/2008 -
- · Hazard pictograms -
- · Signal word -
- · Hazard statements -

3: Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description:

Mixture of substances.

Aqueous solution.

· Dangerous components: No dangereous component in reportable quantity.

4: First-aid measures

- · Description of first aid measures
- General information: Show this safety data sheet to the doctor in attendance.
- · After inhalation:

Supply fresh air.

Move out of dangerous area.

If required, provide artificial respiration.

If symptoms appear, seek medical advice.

· After skin contact:

Rinse with water.

If symptoms appear, seek medical advice.

· After eye contact:

Protect unharmed eye.

Remove contact lenses, if present and easy to do.

Rinse opened eye for several minutes under running water. If symptoms appear, seek medical advice.

After swallowing:

Never give anything by mouth to an unconscious person.

Rinse out mouth.

Seek advice from a doctor or a poison control center.

- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed Data not available.
- $\cdot \textit{Indication of any immediate medical attention and special treatment needed } \textbf{Data not available}.$

5: Fire-fighting measures

- · Extinguishing media
- $\cdot \textit{Suitable extinguishing agents:}$

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

Use fire fighting measures that suit the environment.

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- · Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.
- · Advice for firefighters
- · Protective equipment: As in any fire, wear a respiratory protective device, and full protective gear.

6: Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Ensure adequate ventilation

- Avoid physical contact with material.
- · Environmental precautions: Prevent seepage into sewage system, workpits and cellars.
- · Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

Clean the affected area carefully.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7: Handling and storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Avoid physical contact with material.

Observe the warnings on the label.

- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep container tightly closed.

Protect the product from light. Avoid exposure to heat.

- · Recommended storage temperature: 2-8 °C
- · Specific end use(s) Data not available.

8: Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Information on components:

26628-22-8 sodium azide (< 0.1%)

REL (USA) | Ceiling limit value: 0.3** mg/m³, 0.1* ppm *as HN3; **as NaN3; Skin TLV (USA) | Ceiling limit value: 0.29** mg/m³, 0.11* ppm *as HN3 vapor **as NaN3

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- $\cdot \ General \ protective \ and \ hygienic \ measures:$

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Avoid physical contact with material.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

 \cdot Breathing equipment

Under normal conditions, the use of these products should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.

Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

 $\cdot \ Protection \ of \ hands:$



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.

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

Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

· 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:

Goggles recommended during refilling.

- Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- · Body protection: Protective work clothing

Information on basic physical and o	chemical properties
General Information	
Appearance:	
Form:	Liquid
Color:	Colorless
· Odor:	Odorless
Odour threshold:	Not determined.
pH-value at 20 °C (68 °F):	10.3
Change in condition	
Melting point/Melting range:	Not applicable.
Boiling point/Boiling range:	Not determined.
Solidification point:	Not determined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not determined.
Ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Density:	
Relative density at 20 °C (68 °F)	0.999 g/cm³ (8.337 lbs/gal)
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Miscible
Partition coefficient (n-octanol/water	r): Not determined.
Water: Partition coefficient (n-octanol/wate	
Viscosity: Dynamic:	Not determined.
Other information	No further relevant information available.

10: Stability and reactivity

- · Reactivity See § Possibility of hazardous reactions.
- · Chemical stability Stable under recommended storage conditions.
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions

No dangerous reactions if used according to specifications.

Sodium azide, contains in the product (<0.1%), can react with copper and lead plumbing to form explosive metal azides. If discharge in the canalisations, rinse with plenty of water.

- · Conditions to avoid No further relevant information available.
- · Incompatible materials:

Strong oxidizing agents, acids.

Sodium azide (26628-22-8): incompatible with acids, and some metals; forms explosion-sensitive compounds.

- · Hazardous decomposition products: Dangerous decomposition products may be formed.
- · Additional information: Stable at the recommended storage temperature and if protected from light. Avoid exposure to heat.

- USA

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11: Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates) LD50 > 5000 mg/kg (-) Oral

|LD50| > 5000 mg/kg (-)Dermal Inhalative LD50 > 5000 mg/m3 (rat)

26628-22-8 sodium azide

		27 mg/kg (mouse)
		20 mg/kg (rabbit)
Inhalative	LC50	37 mg/m3 (rat)

- · Primary irritant effect:
- · on the skin:
- May cause irritating effect.
- · on the eye:

May cause irritating effect.

- · Inhalation:
- May be harmful by inhalation.

May cause irritating effect.

- · Ingestion: May be harmful if swallowed.
- · Sensitization: Based on available data, the classification criteria are not met.
- · Additional toxicological information:

Ingestion of large amount of sodium azide may cause nausea, vomiting and in certain circumstances respiratory difficulties, high pulse rate and/or hypersensitivity.

- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) None of the ingredient is listed.
- · NTP (National Toxicology Program) None of the ingredient is listed.

12: Ecological information

- · Toxicity
- · Aquatic toxicity:

Information on components:

26628-22-8 sodium azide

EC50/48h 4.2 mg/l (Daphnia)

LC50/96h 0.68 mg/l (Lepomis macrochirus)

- · Persistence and degradability Data not available.
- · Behavior in environmental systems:
- · Bioaccumulative potential Data not available.
- · Mobility in soil Data not available.
- · Additional ecological information:
- · General notes:

At present there are no ecotoxicological assessments.

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.

Disposal procedures have to be respected, see Section 13.

· Other adverse effects No further relevant information available.

13: Disposal considerations

- · Waste treatment methods
- · Recommendation: Disposal must be made according to official regulations.
- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent:

Sodium azide, contained in the product (<0.1%), can react with copper and lead plumbing to form explosive metal azides. If discharge in the canalisations, rinse with plenty of water.

· Primary packaging: Plastic vial (composed of polyethylene high density)

14: Transport information

· UN-Number

· DOT, ADR, ADN, IMDG, IATA

· UN proper shipping name · DOT, ADR, ADN, IMDG, IATA

Not applicable.

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· Transport hazard class(es)		
· DOT, ADR, ADN, IMDG, IATA · Class	-	
· Packing group · DOT, ADR, IMDG, IATA	-	
· Environmental hazards:		
· Marine pollutant:	No	
· Special precautions for user	Not applicable.	
· Transport in bulk according to Annex II of MAI	RPOL73/78 and the	
IBC Code	Not applicable.	
· UN "Model Regulation":	-	

15: Regulatory information

· Section 302/304 (40CFR355.30 / 40CFR355.40):

26628-22-8 sodium azide

- · Section 313 (Specific toxic chemical listings): Not regulated.
- · TSCA (Toxic Substances Control Act): This product is regulated by the Food and Drug Administration; it is exempt from requirements of TSCA.
- · 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.
- $\cdot \textit{Chemicals known to cause developmental toxicity} . \textit{None of the ingredient is listed}.$
- · Carcinogenic categories
- · EPA (Environmental Protection Agency) None of the ingredient 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 ingredient is listed.
- · OSHA-Ca (Occupational Safety & Health Administration) None of the ingredient is listed.
- · U. S. State Regulations:

· PA-RTK

26628-22-8 sodium azide

· NJ-RTK

26628-22-8 sodium azide

· MA-RTK

26628-22-8 sodium azide

· RI-RTK

26628-22-8 sodium azide

- US Federal Regulation This mixture is a component of an FDA-regulated IN VITRO diagnostic medical device.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

- · Department issuing MSDS: Product safety department
- · Contact: Product safety department
- · 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) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation

IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent NOEC : No Observed Effect Concentration EC50: Effective concentration, 50 percent

IC50: Inhibitory concentration, 50 percent.

· * Data compared to the previous version altered.

USA



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1: Identification

- · Product identifier
- · Trade name: AST Reagent 2
- · Article number: 79250B / ASVD-0850R2. · Synonyms EON 300 AST R2 / AST ENVOY R2.
- · Relevant identified uses of the substance or mixture and uses advised against
- $\cdot \ Application \ of \ the \ substance \ / \ the \ mixture$

Reagent for IN VITRO diagnostic

Product included in kit(s):

- Kit composed of two reagents: 79250 / 55250.
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

ELITech Clinical Systems SAS

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- · Information department: Product safety department
- · Emergency telephone number: Contact your distributor or poison control center in your country.

2: Hazard(s) identification

- \cdot Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



Eye Irrit. 2 H319 Causes serious eye irritation.

- · Label elements
- · Labelling according to Regulation (EC) No 1272/2008 The product is classified and labeled according to the CLP regulation.
- · Hazard pictograms



- · Signal word Warning
- · Hazard statements

Causes serious eye irritation.

· Precautionary statements

 $We ar \ protective \ gloves/protective \ clothing/eye \ protection/face \ protection.$

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

3: Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description:

Mixture of substances.

Aqueous solution.

· Dangerous components:

	· CAS NO	O. Description	%		
Γ	56-84-8	aspartic acid		◆ Eye Irrit. 2, H319	10-25%
	328-50-7	2-oxoglutaric acid		♦ Eye Dam. 1, H318; ♦ Skin Irrit. 2, H315; STOT SE 3, H335	≤ 2.5%

4: First-aid measures

- · Description of first aid measures
- · General information: Show this safety data sheet to the doctor in attendance.
- · After inhalation:

Supply fresh air.

Move out of dangerous area.

If required, provide artificial respiration.

If symptoms appear, seek medical advice.

After skin contact:

Rinse with water.

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Safety Data Sheet acc. to OSHA HCS

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If symptoms appear, seek medical advice.

· After eve contact:

Protect unharmed eye.

Remove contact lenses, if present and easy to do.

Rinse opened eye for several minutes under running water. If symptoms appear, seek medical advice.

· After swallowing:

Never give anything by mouth to an unconscious person.

Rinse out mouth.

Seek advice from a doctor or a poison control center.

- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed Data not available.
- · Indication of any immediate medical attention and special treatment needed Data not available.

5: Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

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

Use fire fighting measures that suit the environment.

· Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon oxides (COx)

Nitrogen oxides (NOx)

Sodium oxides.

- · Advice for firefighters
- · Protective equipment: As in any fire, wear a respiratory protective device, and full protective gear.

6: Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid physical contact with material.

Avoid formation of gas/mist/vapours.

Avoid breathing gas/mist/vapours.

• Environmental precautions: Prevent seepage into sewage system, workpits and cellars.

\cdot Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

Send for recovery or disposal in suitable receptacles.

Clean the affected area carefully.

 \cdot Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7: Handling and storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Avoid physical contact with material.

Avoid formation of gas/mist/vapours.

Avoid breathing gas/mist/vapours.

Observe the warnings on the label.

- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- $\cdot \textit{Further information about storage conditions:} \\$

Keep container tightly closed.

Protect the product from light. Avoid exposure to heat.

- · Recommended storage temperature: 2-8 °C
- · Specific end use(s) Data not available.

8: Exposure controls/personal protection

· Additional information about design of technical systems: Eyewash fountain and safety shower in the area of storage and use.

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· Control parameters

· Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Information on components:

26628-22-8	sodium azide (< 0.1%)
REL (USA)	Ceiling limit value: 0.3** mg/m³, 0.1* ppm *as HN3; **as NaN3; Skin
TLV (USA)	Ceiling limit value: 0.29** mg/m³, 0.11* ppm *as HN3 vapor **as NaN3

- · Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Avoid physical contact with material.

Avoid formation of gas/mist/vapours.

Avoid breathing gas/mist/vapours.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

· Breathing equipment:

Under normal conditions, the use of these products should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory protection should be evaluated by a qualified professional.

Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

· 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

Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

 $\cdot \ Material \ of \ gloves$

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:
- Wear face shield/eye protection.
- Use equipment tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
- \cdot Body protection: Protective work clothing

9: Physical and chemical pro	•
 Information on basic physical and of General Information 	enemical properties
· Appearance:	
Form:	Liquid
Color:	Colorless
· Odor:	Odorless
· Odour threshold:	Not determined.
· pH-value at 20 °C (68 °F):	7.7
· Change in condition	
Melting point/Melting range:	Not applicable.
Boiling point/Boiling range:	Not determined.
Solidification point:	Not determined.
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not determined.
· Ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density:	
Relative density at 20 °C (68 °F)	1.127 g/cm³ (9.405 lbs/gal)
Vapour density	Not determined.
Evaporation rate	Not determined.

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Safety Data Sheet acc. to OSHA HCS

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Trade name: AST Reagent 2

· Solubility in / Miscibility with

Miscible

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined.

• Other information No further relevant information available.

10: Stability and reactivity

- · Reactivity See § Possibility of hazardous reactions.
- · Chemical stability Stable under recommended storage conditions.
- $\cdot \textit{Thermal decomposition / conditions to be avoided:} \ \ \text{No decomposition if used according to specifications.}$
- · Possibility of hazardous reactions

No dangerous reactions if used according to specifications.

Sodium azide, contains in the product (<0.1%), can react with copper and lead plumbing to form explosive metal azides. If discharge in the canalisations, rinse with plenty of water.

- Conditions to avoid No further relevant information available.
- · Incompatible materials: Sodium azide (26628-22-8): incompatible with acids, and some metals; forms explosion-sensitive compounds.
- $\cdot \ \textbf{Hazardous decomposition products:}$

Dangerous decomposition products may be formed.

Carbon oxides (COx)

Nitrogen oxides (NOx)

Sodium oxides.

· Additional information: Stable at the recommended storage temperature and if protected from light. Avoid exposure to heat.

11: Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50	· LD/LC50 values that are relevant for classification:			
ATE (Ac	ATE (Acute Toxicity Estimates)			
Oral	LD50	> 5000 mg/kg (rat)		
Dermal	LD50	> 5000 mg/kg (-)		
56-84-8 a	56-84-8 aspartic acid			
Oral	LD50	5000 mg/kg (rat)		
Dermal	LD50	5000 mg/kg (rabbit)		
	LD50 intra	6 mg/kg (mouse)		

26628-22-8 sodium azide

Oral	LD50	27 mg/kg (mouse)
Dermal	LD50	20 mg/kg (rabbit)
Inhalative	LC50	37 mg/m3 (rat)

- · Primary irritant effect:
- · on the skin: May cause irritating effect.
- · on the eye:
- Causes serious eye irritation.
- · Inhalation:

May be harmful by inhalation.

May cause irritating effect.

- · *Ingestion:* May be harmful if swallowed.
- · Sensitization: Based on available data, the classification criteria are not met.
- · Additional toxicological information:

Ingestion of large amount of sodium azide may cause nausea, vomiting and in certain circumstances respiratory difficulties, high pulse rate and/or hypersensitivity.

- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer) None of the ingredient is listed.
- · NTP (National Toxicology Program) None of the ingredient is listed.

12: Ecological information

- Toxicity
- · Aquatic toxicity:

Information on components:

	- on components
26628-22-	8 sodium azide
EC50/48h	4.2 mg/l (Daphnia)
LC50/96h	0.68 mg/l (Lepomis macrochirus)

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- · Persistence and degradability Data not available.
- · Behavior in environmental systems:
- · Bioaccumulative potential Data not available.
- · Mobility in soil Data not available.
- Additional ecological information:
- · General notes:

At present there are no ecotoxicological assessments.

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.

- Disposal procedures have to be respected, see Section 13.
- · Other adverse effects No further relevant information available.

13: Disposal considerations

- · Waste treatment methods
- · Recommendation: Disposal must be made according to official regulations.
- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent:

Sodium azide, contained in the product (<0.1%), can react with copper and lead plumbing to form explosive metal azides. If discharge in the canalisations, rinse with plenty of water.

· Primary packaging: Plastic vial (composed of polyethylene high density)

UN-Number DOT, ADR, ADN, IMDG, IATA	Not applicable.	
UN proper shipping name DOT, ADR, ADN, IMDG, IATA	-	
Transport hazard class(es)		
DOT, ADR, ADN, IMDG, IATA Class	-	
Packing group DOT, ADR, IMDG, IATA	-	
Environmental hazards: Marine pollutant:	No	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex II of MAR IBC Code	POL73/78 and the Not applicable.	
UN "Model Regulation":	-	

15: Regulatory information

· SARA

 $\cdot \ Section\ 302/304\ (40CFR355.30\ /\ 40CFR355.40):$

26628-22-8 sodium azide

- · Section 313 (Specific toxic chemical listings): Not regulated.
- · TSCA (Toxic Substances Control Act): This product is regulated by the Food and Drug Administration; it is exempt from requirements of TSCA.
- · 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 ingredient is listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency) None of the ingredient is listed.

· TLV (Threshold Limit	Value established by ACGIH)

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- · NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredient is listed.
- · OSHA-Ca (Occupational Safety & Health Administration) None of the ingredient is listed.
- \cdot U. S. State Regulations:

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•	I A-I	KIN

26628-22-8 sodium azide

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Trade name: AST Reagent 2

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· NJ-RTK	
26628-22-8 sodium azide	
· MA-RTK	
26628-22-8 sodium azide	
· RI-RTK	
26628-22-8 sodium azide	

- · US Federal Regulation This mixture is a component of an FDA-regulated IN VITRO diagnostic medical device.
- · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

· Relevant phrases

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

- · Department issuing MSDS: Product safety department
- · Contact: Product safety department
- · Abbreviations and acronyms:

SVHC: Substances of Very High Concern
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent NOEC : No Observed Effect Concentration EC50: Effective concentration, 50 percent

IC50: Inhibitory concentration, 50 percent. Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· * Data compared to the previous version altered.