Safety Data Sheet

Alcohol Reagent A SDS No. MS-Alcohol-RA

Section 1. Chemical Product and Company Identification

Product Trade Name: Alcohol Enzyme Immunoassay, Reagent A

Product code: 501-0500, 502-0500, 503-0100

Synonyms: Antibody/Substrate Reagent; Reagent A; RA

Manufactured/ Supplied: Immunalysis Corporation
829 Towne Center Drive
Pomona, CA 91767
1-909-482-0840

Product Information: (888) 664-8378 (In USA and Canada)

Material Uses: Diagnostic agents

Section 2. Hazards Identification

Physical state Liquid

Emergency overview: H317 May cause an allergic skin reaction.

GHS Label Elements:

Hazard Pictograms

Signal Word Warning

Potential acute health effects

Eyes No known significant effects or critical hazards.

Skin May cause sensitization by skin contact.

Inhalation No known significant effects or critical hazards.

Ingestion H303 May be harmful if swallowed.

Potential chronic health effects

Carcinogenic effects No known significant effects or critical hazards.

Mutagenic effects No known significant effects or critical hazards.

Reproduction toxicity No known significant effects or critical hazards.

See toxicological information (section 11)

Section 3. Composition and Information on Ingredients

Name	CAS number	% by weight	Description
Sodium Azide	26628-22-8	< 0.1%	Substance

Section 4. First Aid Measures

.

Eye contact P305+P351+P338+P337+P313 If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Skin contact P332+P350+P313 If skin irritation occurs: Gently wash with plenty of soap and water. Get medical attention if irritation occurs.

Inhalation P304+P341+P309+P311 P311 If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in position comfortable for breathing. If not breathing, give artificial respiration. If exposed or if you feel unwell, call POISON CENTER or doctor.

Ingestion P301+P330+P331+P314 If swallowed: Rinse mouth and drink plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Flammability of the product Non-flammable.

Fire-fighting media and instructions Use an extinguishing agent suitable for the surrounding fire.

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Special remarks on fire hazards None

Section 6. Accidental Release Measures

Personal precautions Ensure adequate ventilation. Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8).

Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up Absorb with dry earth, sand or other non-combustible material. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Dispose of in accordance with local, state and federal regulations. Flush area with water thoroughly.

Section 7. Handling and Storage

Handling	H315+P281 Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Take necessary personal protective precautions before using this product.
Storage	P404 Keep container tightly closed. Store at 2-8°C.

Section 8. Exposure Controls, Personal Protection

Engineering measures	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Personal protection

Eyes	Safety glasses or goggles should be worn to prevent eye contact.
Skin	Laboratory coat or other protective clothing should be worn to protect against splashes and small spills.
Hands	Impervious gloves should be worn to prevent skin contact.
Respiratory	A respirator is not needed under normal and intended conditions of product use.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state	Liquid
Odor	Odorless
Color	Clear
pH	8.0 – 10.0 (Conc. (%w/w): 1)
Boiling/condensation point	The lowest known value is 99.9°C (211.8°F) (water)
Melting/freezing point	May start to solidify at -0.0°C (32°F) based on data for water.
Specific gravity	The only known value is 1 (Water = 1) (Water).
Vapor pressure	The highest known value is 2.4 kPa (188 mm Hg) (at 20°C) (Water).

Section 10. Stability and Reactivity

Stability and reactivity	The product is stable under normal conditions.
Incompatibility	None

Section 11. Toxicological Information

Toxicity data

Ingredient Name	Test	Result	Route	Species
Sodium Azide	LD50	27 mg/kg	Oral	Rat
	LD50	27 mg/kg	Oral	Mouse
	LD50	50 mg/kg	Dermal	Rat
	LD50	20 mg/kg	Dermal	Rabbit

Chronic Effects Carcinogenic Effects: Classified none by NIOSH (Sodium Azide)

Section 12. Ecological Information

Ecotoxicity data

Ingredient Name	Species	Period	Result
Sodium Azide	Daphnia pulex (EC50)	48 hour/hours	4.2 mg/L
	Leomis macrochirus (LC50)	96 hour/hours	0.7 mg/L

Toxicity of the products of biodegradation The product itself and its products of degradation are not toxic.

Section 13. Disposal Considerations

Waste disposal The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification UN Number; Not regulated

IATA-DGR Class Not regulated

Section 15. Regulatory Information

EU Additional Classification

Hazard Pictograms:
Signal Word: Warning
GHS Statements: H303 May be harmful if swallowed.

US Classification and Label Text

Hazard Pictograms:
Signal Word: Warning
GHS Statements: H303 May be harmful if swallowed.
US Statements: H290 May be corrosive to metals. Sodium Azide may react with lead and copper plumbing to form highly explosive metal azides.

United States Regulatory Information SARA Listed: No

Canada Regulatory Information
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: No
NDSL: No

Section 16. Other information

Date of issue	05/2015
Version	B.0

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Immunalysis shall not be liable for any damage resulting from handling or from contact with the above product by untrained personnel. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Safety Data Sheet

Alcohol Reagent E SDS No. MS-Alcohol-RE

Section 1. Chemical Product and Company Identification

Product Trade Name: Alcohol Enzyme Immunoassay, Reagent E

Product code: 501-0500, 502-0500, 503-0100

Synonyms: Enzyme Conjugate Reagent; Reagent E; RE

Manufactured/ Supplied: Immunalysis Corporation
829 Towne Center Drive
Pomona, CA 91767
1-909-482-0840

Product Information: (888) 664-8378 (In USA and Canada)

Material Uses: Diagnostic agents

Section 2. Hazards Identification

Physical state Liquid

Emergency overview: H317 May cause an allergic skin reaction.

GHS Label Elements:

Hazard Pictograms

Signal Word Warning

Potential acute health effects

Eyes No known significant effects or critical hazards.

Skin May cause sensitization by skin contact.

Inhalation No known significant effects or critical hazards.

Ingestion H303 May be harmful if swallowed.

Potential chronic health effects

Carcinogenic effects No known significant effects or critical hazards.

Mutagenic effects No known significant effects or critical hazards.

Reproduction toxicity No known significant effects or critical hazards.

See toxicological information (section 11)

Section 3. Composition and Information on Ingredients

Name	CAS number	% by weight	Description
Sodium Azide	26628-22-8	< 0.1%	Substance

Section 4. First Aid Measures

.

Eye contact P305+P351+P338+P337+P313 If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Skin contact P332+P350+P313 If skin irritation occurs: Gently wash with plenty of soap and water. Get medical attention if irritation occurs.

Inhalation P304+P341+P309+P311 P311 If inhaled: If breathing is difficult, remove victim to fresh air and keep at rest in position comfortable for breathing. If not breathing, give artificial respiration. If exposed or if you feel unwell, call POISON CENTER or doctor.

Ingestion P301+P330+P331+P314 If swallowed: Rinse mouth and drink plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Flammability of the product Non-flammable.

Fire-fighting media and instructions Use an extinguishing agent suitable for the surrounding fire.

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Special remarks on fire hazards None

Section 6. Accidental Release Measures

Personal precautions Ensure adequate ventilation. Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8).

Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up Absorb with dry earth, sand or other non-combustible material. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Dispose of in accordance with local, state and federal regulations. Flush area with water thoroughly.

Section 7. Handling and Storage

Handling	H315+P281Avoid prolonged or repeated contact with skin. Take necessary personal protective precautions before using this product.
Storage	P404 Keep container tightly closed. Store at 2-8°C.

Section 8. Exposure Controls, Personal Protection

Engineering measures	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

Personal protection

Eyes	Safety glasses or goggles should be worn to prevent eye contact.
Skin	Laboratory coat or other protective clothing should be worn to protect against splashes and small spills.
Hands	Impervious gloves should be worn to prevent skin contact.
Respiratory	A respirator is not needed under normal and intended conditions of product use.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state	Liquid
Odor	Odorless
Color	Clear to yellowish
pH	7.0 – 8.0 (Conc. (%w/w): 1)
Boiling/condensation point	The lowest known value is 99.9°C (211.8°F) (water)
Melting/freezing point	May start to solidify at -0.0°C (32°F) based on data for water.
Specific gravity	The only known value is 1 (Water = 1) (Water).
Vapor pressure	The highest known value is 2.4 kPa (188 mm Hg) (at 20°C) (Water).

Section 10. Stability and Reactivity

Stability and reactivity	The product is stable under normal conditions.
Incompatibility	None

Section 11. Toxicological Information

Toxicity data

Ingredient Name	Test	Result	Route	Species
Sodium Azide	LD50	27 mg/kg	Oral	Rat
	LD50	27 mg/kg	Oral	Mouse
	LD50	50 mg/kg	Dermal	Rat
	LD50	20 mg/kg	Dermal	Rabbit

Chronic Effects Carcinogenic Effects: Classified none by NIOSH (Sodium Azide)

Section 12. Ecological Information

Ecotoxicity data

Ingredient Name	Species	Period	Result
Sodium Azide	Daphnia pulex (EC50)	48 hour/hours	4.2 mg/L
	Leomis macrochirus (LC50)	96 hour/hours	0.7 mg/L

Toxicity of the products of biodegradation The product itself and its products of degradation are not toxic.

Section 13. Disposal Considerations

Waste disposal The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification UN Number; Not regulated

IATA-DGR Class Not regulated

Section 15. Regulatory Information

EU Additional Classification

Hazard Pictograms:
Signal Word: Warning
GHS Statements: H303 May be harmful if swallowed.

US Classification and Label Text

Hazard Pictograms:
Signal Word: Warning
GHS Statements: H303 May be harmful if swallowed.
US Statements: H290 May be corrosive to metals. Sodium Azide may react with lead and copper plumbing to form highly explosive metal azides.
.

United States Regulatory Information SARA Listed: No

Canada Regulatory Information
WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: No
NDSL: No

Section 16. Other information

Date of issue	05/2015
Version	B.0

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Immunalysis shall not be liable for any damage resulting from handling or from contact with the above product by untrained personnel. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.