



Safety Data Sheet

Ketamine Urine EIA Reagent A

SDS No. MS-340UR-RAEX

Section 1. Chemical Product and Company Identification

Product Trade Name: Ketamine Urine Enzyme Immunoassay, Reagent A

Product code: 340UR-0025EX, 340UR-0100EX, 340UR-0500EX, 340UR-0060WEX

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)

Recommended Material Uses and Restrictions: Diagnostics agents

Section 2. Hazards Identification

Physical state Liquid

Emergency overview: H317 May cause an allergic skin reaction.

GHS Label Elements:
Hazard Pictograms



Exclamation Mark



Corrosion

Signal Word

Warning

Global Harmonized System

Skin Sensitizer – Category 3
Acute Toxicity (oral) – Category 5

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 See toxicological information (section 11)
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.

Section 3. Composition and Information on Ingredients

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

The Ingredient(s) listed above are considered hazardous. The remaining components are non-hazardous and/or present at amounts below reportable limits.

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 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 a 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. As product is an aqueous solution, it is not expected to be flammable.
Fire-fighting media and instructions	Use water spray (fog), foam, dry powder, or carbon dioxide, as 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 hazard	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	P264+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.

Exposure limits

United States

Component	OSHA	NIOSH	ACGIH	AIHA WHEEL
Sodium Azide	None	0.3 mg/m ³	0.3 mg/m ³ (ceiling)	None

Canada

Component	Alberta	British Columbia	Ontario	Quebec
Sodium Azide	0.29 mg/m ³ (ceiling)	0.29 mg/m ³ (ceiling)	0.29 mg/m ³ (ceiling)	0.3 mg/m ³ (ceiling)

Australia / Mexico

Component	Australia	Mexico
Sodium Azide	None	None

*Consult local authorities for acceptable exposure limits.***Section 9. Physical and Chemical Properties**

Physical state	Liquid
Odor	Odorless
Color	Clear to yellowish
pH	5.5 – 6.5 (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.
Flammability	No information identified
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).
Evaporation rate	No information identified
Flash point	No information identified

Decomposition temperature	No information identified
Viscosity	No information identified
Water Solubility	Soluble in water
Solvent Solubility	No information identified
Partition coefficient (n-octanol/water)	No information identified
Explosive properties	No information identified

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)

Specific Target Organ Toxicity	(STOT)
Single Exposure	No studies identified
Repeated Exposure	No Studies identified

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
	Oncorhynchus mykiss (LC50)	96 hour/hours	0.8 mg/L
	Pimephales promeles (LC50)	96 hour/hours	5.46 mg/L

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

Additional toxicity information Sodium azide is toxic to aquatic organisms and should not be allowed to accumulate in metal piping as it has the potential to form explosive mixtures.

Bioaccumulation potential No data available

Mobility in soil No data available

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

Transport Based on the available data, this product/mixture is not regulated as a hazardous material/dangerous good under EU, ADR/RID, US DOT, Canada TDG, IATA or IMDG.

DOT Classification UN Number; Not regulated

IATA-DGR Class Not regulated

Environmental hazard Based on the available data, this product/mixture is not regulated as an environmental hazard or marine pollutant.

Section 15. Regulatory Information

EU Additional Classification

Hazard Pictograms:



Exclamation Mark



Corrosion

Signal Word

Warning

GHS Statements:

H303 May be harmful if swallowed.

US Classification and Label Text

Hazard Pictogram



Exclamation Mark



Corrosion

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

No

Information SARA Listed

Canada Regulatory Information

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.

DSL

No

NDSL

No

Section 16. Other information

Date of issue

11/2016

Version

AB

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

Ketamine Urine EIA Reagent E

SDS No. MS-340UR-REEX

Section 1. Chemical Product and Company Identification

Product Trade Name: Ketamine Urine Enzyme Immunoassay, Reagent E

Product code: 340UR-0025EX, 340UR-0100EX, 340UR-0500EX, 340UR-0060WEX

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)

Recommended Material Uses and Restrictions: Diagnostics agents

Section 2. Hazards Identification

Physical state Liquid

Emergency overview: H317 May cause an allergic skin reaction.

GHS Label Elements:
Hazard Pictograms



Exclamation Mark



Corrosion

Signal Word Warning

Global Harmonized System Skin Sensitizer – Category 3
Acute Toxicity (oral) – Category 5

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 See toxicological information (section 11)
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.

Section 3. Composition and Information on Ingredients

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

The Ingredient(s) listed above are considered hazardous. The remaining components are non-hazardous and/or present at amounts below reportable limits.

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 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 a 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. As product is an aqueous solution, it is not expected to be flammable.
Fire-fighting media and instructions	Use water spray (fog), foam, dry powder, or carbon dioxide, as 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 hazard	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	P264+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.

Exposure limits

United States				
Component	OSHA	NIOSH	ACGIH	AIHA WHEEL
Sodium Azide	None	0.3 mg/m ³	0.3 mg/m ³ (ceiling)	None
Canada				
Component	Alberta	British Columbia	Ontario	Quebec
Sodium Azide	0.29 mg/m ³ (ceiling)	0.29 mg/m ³ (ceiling)	0.29 mg/m ³ (ceiling)	0.3 mg/m ³ (ceiling)
Australia / Mexico				
Component	Australia		Mexico	
Sodium Azide	None		None	
<i>Consult local authorities for acceptable exposure limits.</i>				

Section 9. Physical and Chemical Properties

Physical state	Liquid
Odor	Odorless
Color	Clear to yellowish
pH	7.7 – 8.7 (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.
Flammability	No information identified
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).
Evaporation rate	No information identified
Flash point	No information identified

Decomposition temperature	No information identified
Viscosity	No information identified
Water Solubility	Soluble in water
Solvent Solubility	No information identified
Partition coefficient (n-octanol/water)	No information identified
Explosive properties	No information identified

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)

Specific Target Organ Toxicity	(STOT)
Single Exposure	No studies identified
Repeated Exposure	No Studies identified

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
	Oncorhynchus mykiss (LC50)	96 hour/hours	0.8 mg/L
	Pimephales promeles (LC50)	96 hour/hours	5.46 mg/L

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

Additional toxicity information Sodium azide is toxic to aquatic organisms and should not be allowed to accumulate in metal piping as it has the potential to form explosive mixtures.

Bioaccumulation potential No data available

Mobility in soil No data available

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

Transport Based on the available data, this product/mixture is not regulated as a hazardous material/dangerous good under EU, ADR/RID, US DOT, Canada TDG, IATA or IMDG.

DOT Classification UN Number; Not regulated

IATA-DGR Class Not regulated

Environmental hazard Based on the available data, this product/mixture is not regulated as an environmental hazard or marine pollutant.

Section 15. Regulatory Information

EU Additional Classification

Hazard Pictograms:



Exclamation Mark



Corrosion

Signal Word

Warning

GHS Statements:

H303 May be harmful if swallowed.

US Classification and Label Text

Hazard Pictogram



Exclamation Mark



Corrosion

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 SDS contains all the information required by the CPR.

DSL

No

NDSL

No

Section 16. Other information

Date of issue

11/2016

Version

AB

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.