



SAFETY DATA SHEET: Urinalysis Drugs of Abuse Calibrators and Controls

SECTION 1: IDENTIFICATION

1.1 Product Identifier:

Reference Number: Urinalysis Drugs of Abuse (DAU) Calibrators and Controls:

C68807	LZI Universal Negative Calibrator
C68815	LZI Norfentanyl (Q) Qualitative Calibrator
C68821	LZI Norfentanyl Level 1 Control
C68822	LZI Norfentanyl Level 2 Control
C68824	LZI Hydrocodone 100 Qualitative Calibrator
C68825	LZI Hydrocodone 100 Semi-Quantitative Calibrator Set
C68826	LZI Hydrocodone 100 Level 1 Control
C68827	LZI Hydrocodone 100 Level 2 Control
C68830	LZI Hydrocodone 300 Qualitative Calibrator
C68831	LZI Hydrocodone 300 Semi-Quantitative Calibrator Set
C68828	LZI Hydrocodone 300 Level 1 Control
C68829	LZI Hydrocodone 300 Level 2 Control

Trade name : Urinalysis Drugs of Abuse (DAU) Calibrators and Controls

1.2 Relevant identified uses of the substance of mixture and uses advised against

Recommended restrictions on use : For professional users only.

1.3 Details of the supplier of the safety data sheet

Company : Lin-Zhi International, Inc.
2945 Oakmead Village Court
Santa Clara, CA 95051
USA

Telephone : +1 408-970-8811

Telefax : +1 408-970-9030

Responsible Department : +1 408-970-8811 option 1

e-mail address : customerservice@lin-zhi.com

Website : www.lin-zhi.com

1.4 Emergency telephone number

In case of emergencies : Health, Safety & Environment
Product Safety / Vigilance

Toxicology 24-hour help-line : 1-800-222-1222

Health Advice 24-hour help-line : 1-800-835-2362

SECTION 2: HAZARDS IDENTIFICATION

2.1 GHS classification in accordance with 29 CFR 1910.1200

The product is a kit consisting of individual ingredients. The classification of the ingredients can be obtained from section 3. Section GHS Label elements contains the resulting labelling for the kit



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2.2 GHS label elements

Not a hazardous substance or mixture.

2.3 Other hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Calibrators

Classification (Regulation (EC) No. 1272/2008)

Not a hazardous substance or mixture.

Chemical nature : Handle as potentially infectious.

Components

Chemical Name	CAS-No.	Concentration (% w/w)
Methanol	67-56-1	< 0.1
Sodium azide (NaN ₃)	26628-22-8	< 0.1

Actual concentration is withheld as a trade secret

Controls

Classification (Regulation (EC) No. 1272/2008)

Not a hazardous substance or mixture.

Chemical nature : Handle as potentially infectious.

Components

Chemical Name	CAS-No.	Concentration (% w/w)
Methanol	67-56-1	< 0.1
Sodium azide (NaN ₃)	26628-22-8	< 0.1

Actual concentration is withheld as a trade secret

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- General advice : Do not leave the victim unattended
- If inhaled : Move to fresh air.
If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.



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If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Rinse mouth with water.

Most important symptoms and effects, both acute and delayed : None known.

Notes to physician : The first aid procedure should be established in consultation

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : No information available.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions, protective equipment and emergency procedures

Environmental precautions : Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.



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Smoking, eating, and drinking should be prohibited in the application area.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : See label, package insert, or internal guidelines

Advice on common storage : No materials to be especially mentioned.

Materials to avoid : No materials to be especially mentioned.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Calibrators

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Methanol	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 260 mg/m ³	NIOSH REL
		ST	250 ppm 325 mg/m ³	NIOSH REL
		TWA	200 ppm 260 mg/m ³	OSHA Z-1
		TWA	200 ppm 260 mg/m ³	OSHA P0
		STEL	250 ppm 325 mg/m ³	OSHA P0



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Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Sodium azide (NaN ₃)	26628-22-8	C	0.1 ppm (HN ₃)	NIOSH REL
		C (Vapor)	0.11 ppm (Hydrazoic acid)	ACGIH
		C	0.3 mg/m ³ (Sodium azide)	NIOSH REL
		C	0.1 ppm (Ammonia)	OSHA P0
		C	0.3 mg/m ³ (Sodium azide)	OSHA P0
		C	0.29 mg/m ³ (Sodium azide)	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling Time	Permissible concentration	Basis
Methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible After exposure ceases)	15 mg/l	ACGIH BEI

Control

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Methanol	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 260 mg/m ³	NIOSH REL
		ST	250 ppm 325 mg/m ³	NIOSH REL
		TWA	200 ppm 260 mg/m ³	OSHA Z-1
		TWA	200 ppm 260 mg/m ³	OSHA P0
		STEL	250 ppm 325 mg/m ³	OSHA P0
Sodium azide (NaN ₃)	26628-22-8	C	0.1 ppm (HN ₃)	NIOSH REL
		C (Vapor)	0.11 ppm (Hydrazoic acid)	ACGIH
		C	0.3 mg/m ³ (Sodium azide)	NIOSH REL
		C	0.1 ppm (Ammonia)	OSHA P0
		C	0.3 mg/m ³ (Sodium azide)	OSHA P0



SAFETY DATA SHEET: Urinalysis Drugs of Abuse Calibrators and Controls

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
		C	0.29 mg/m ³ (Sodium azide)	ACGIH

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling Time	Permissible concentration	Basis
Methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible After exposure ceases)	15 mg/L	ACGIH BEI

8.2 Exposure controls

Engineering measures

No data available

Personal protective equipment

Eye protection : Safety glasses

Hand protection

Material : Protective gloves

Remarks

: The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Protective suit

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Calibrators

Appearance : liquid



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Color	:	colorless
Odor	:	odorless
Odor Threshold	:	No data available
pH	:	ca. 6.0 – 7.0
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	does not flash
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Does not sustain combustion
Flammability (liquids)	:	Does not sustain combustion.
Self-ignition	:	Not applicable
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Relative density	:	No data available
Density	:	ca. 1.0 g/cm ³
Solubility(ies)		
Water solubility	:	completely miscible
Solubility in other solvents	:	No data available
Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available



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Viscosity, kinematic : No data available
Explosive properties : No data available
Oxidizing properties : The substance or mixture is not classified as oxidizing.

Control

Appearance : liquid
Color : colorless
Odor : odorless
Odor Threshold : No data available
pH : ca. 6.0 – 7.0
Melting point/range : No data available
Boiling point/boiling range : No data available
Flash point : does not flash
Evaporation rate : No data available
Flammability (solid, gas) : Does not sustain combustion
Flammability (liquids) : Does not sustain combustion.
Self-ignition : Not applicable
Upper explosion limit / Upper flammability limit : No data available
Lower explosion limit / Lower flammability limit : No data available
Vapor pressure : No data available
Relative vapor density : No data available
Relative density : No data available
Density : ca. 1.0 g/cm³
Solubility(ies)
Water solubility : completely miscible
Solubility in other solvents : No data available



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Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Calibrators

Acute toxicity

Not classified based on available information.



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Components:

Methanol:

- Acute oral toxicity : LD50 Oral (Mouse): 7,300 mg/kg
LD50 Oral (Rat): 5,628 mg/kg
Assessment: The component/mixture is toxic after single ingestion.
- Acute inhalation toxicity : LC50 (Rat): 131.25 mg/L
Exposure time: 4 h
Test atmosphere: vapor
Assessment: The component/mixture is toxic after short term inhalation.
- Acute dermal toxicity : LC50 (Rat): 64000 ppm
Exposure time: 4 h
Test atmosphere: vapor
LD50 Dermal (Rabbit): 15,800 mg/kg
Assessment: The component/mixture is toxic after single contact with skin.

Sodium azide (NaN₃):

- Acute oral toxicity : LD50 Oral (Rat): 27 mg/kg
- Acute dermal toxicity : LD50 Dermal (Rabbit): 20 mg/kg
LD50 Dermal (Rat): 50 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

Methanol:

- Remarks : The product may be absorbed through the skin.
May irritate skin.

Serious eye damage/eye irritation

Not classified based on available information.

Components:

Methanol:

- Remarks : The product may be absorbed through the skin.
May irritate skin.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.



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Components:

Methanol:

Remarks : The product may be absorbed through the skin.
May irritate skin.

Germ cell mutagenicity

Not classified based on available information.

Components:

Methanol:

Remarks : The product may be absorbed through the skin.
May irritate skin.

Carcinogenicity

Not classified based on available information.

- IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
- NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT – single exposure

Not classified based on available information.

Components:

Methanol:

Target Organs : Eyes
Assessment : Causes damage to organs.

Sodium azide (NaN₃):

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT – repeated exposure

Not classified based on available information.

Methanol:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Sodium azide (NaN₃):

Assessment : May cause damage to organs through prolonged or repeated exposure.



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Aspiration toxicity

Not classified based on available information.

Components:

Methanol:

No aspiration toxicity classification

Controls

Acute toxicity

Not classified based on available information.

Components:

Methanol:

- Acute oral toxicity : LD50 Oral (Mouse): 7,300 mg/kg
LD50 Oral (Rat): 5,628 mg/kg
Assessment: The component/mixture is toxic after single ingestion.
- Acute inhalation toxicity : LC50 (Rat): 131.25 mg/L
Exposure time: 4 h
Test atmosphere: vapor
Assessment: The component/mixture is toxic after short term inhalation.
- Acute dermal toxicity : LC50 (Rat): 64000 ppm
Exposure time: 4 h
Test atmosphere: vapor
LD50 Dermal (Rabbit): 15,800 mg/kg
Assessment: The component/mixture is toxic after single contact with skin.
- Sodium azide (NaN₃):**
 - Acute oral toxicity : LD50 Oral (Rat): 27 mg/kg
 - Acute dermal toxicity : LD50 Dermal (Rabbit): 20 mg/kg
LD50 Dermal (Rat): 50 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Components:

Methanol:

- Remarks : The product may be absorbed through the skin.
May irritate skin.

Serious eye damage/eye irritation

Not classified based on available information.



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Components:

Methanol:

Remarks : The product may be absorbed through the skin.
May irritate skin.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

Methanol:

Remarks : The product may be absorbed through the skin.
May irritate skin.

Germ cell mutagenicity

Not classified based on available information.

Components:

Methanol:

Remarks : The product may be absorbed through the skin.
May irritate skin.

Carcinogenicity

Not classified based on available information.

- IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
- NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

STOT – single exposure

Not classified based on available information.

Components:

Methanol:

Target Organs : Eyes
Assessment : Causes damage to organs.

Sodium azide (NaN₃):

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.



SAFETY DATA SHEET: Urinalysis Drugs of Abuse Calibrators and Controls

STOT – repeated exposure

Not classified based on available information.

Methanol:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Sodium azide (NaN₃):

Assessment : May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

Components:

Methanol:

No aspiration toxicity classification

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Calibrators

Components:

Methanol:

Toxicity to fish : LC50 (*Lepomis macrochirus* (Bluegill sunfish)): 15,400 mg/L
Exposure time: 96 h

LC50 (*Oncorhynchus mykiss* (rainbow trout)): 8,000 mg/L
Exposure time: 48 h

LC50 (*Leuciscus idus* (Golden orfe)): > 10,000 mg/L

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 6,100 mg/L
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC0 (*Scenedesmus quadricauda* (Green algae)): 8,000 mg/L
Exposure time: 7 d

Toxicity to microorganisms : EC0 (*Pseudomonas putida*): 6,600 mg/L
Exposure time: 16 h

Sodium azide (NaN₃):

Toxicity to fish : LC50 (*Pimephales promelas* (fathead minnow)): 5.46 mg/L
Exposure time: 96 h
Method: OECD Test Guideline 203



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- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia pulex* (Water flea)): 4.2 mg/L
Exposure time: 96 h
- Toxicity to algae/aquatic plants : EC50 (*Pseudokirchneriella subcapitata* (green algae)): 0.35 mg/L
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 201
- Toxicity to microorganisms : EC50 (*Photobacterium phosphoreum*): 43 - 66 mg/L

Controls

Components:

Methanol:

- Toxicity to fish : LC50 (*Lepomis macrochirus* (Bluegill sunfish)): 15,400 mg/L
Exposure time: 96 h
- LC50 (*Oncorhynchus mykiss* (rainbow trout)): 8,000 mg/L
Exposure time: 48 h
- LC50 (*Leuciscus idus* (Golden orfe)): > 10,000 mg/L
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 6,100 mg/L
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC0 (*Scenedesmus quadricauda* (Green algae)): 8,000 mg/L
Exposure time: 7 d
- Toxicity to microorganisms : EC0 (*Pseudomonas putida*): 6,600 mg/L
Exposure time: 16 h

Sodium azide (NaN₃):

- Toxicity to fish : LC50 (*Pimephales promelas* (fathead minnow)): 5.46 mg/L
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia pulex* (Water flea)): 4.2 mg/L
Exposure time: 96 h
- Toxicity to algae/aquatic plants : EC50 (*Pseudokirchneriella subcapitata* (green algae)): 0.35 mg/L
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 201
- Toxicity to microorganisms : EC50 (*Photobacterium phosphoreum*): 43 - 66 mg/L



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12.2 Ecotoxicology Assessment

Calibrators

- Acute aquatic toxicity : Very toxic to aquatic life.
- Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.
- Toxicity Data on Soil : Not expected to adsorb on soil.

Controls

- Acute aquatic toxicity : Very toxic to aquatic life.
- Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.
- Toxicity Data on Soil : Not expected to adsorb on soil.

12.3 Persistence and degradability

Calibrators

Components:

Methanol:

- Biodegradability : Result: Readily biodegradable.
Biodegradation: 99 %
Exposure time: 30 d
Method: OECD Test Guideline 301
- Biochemical Oxygen Demand (BOD) : Biochemical oxygen demand
600 - 1,120 mg/g
Incubation time: 5 d
- Chemical Oxygen Demand (COD) : 1,420 mg/g
- Theoretical oxygen demand (ThOD) : 1,500 mg/g
- Biochemical Oxygen Demand (BOD)/Theoretical oxygen demand (ThOD) : 76 %

Controls

Components:

Methanol:

- Biodegradability : Result: Readily biodegradable.
Biodegradation: 99 %
Exposure time: 30 d
Method: OECD Test Guideline 301



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Biochemical Oxygen Demand (BOD)	:	Biochemical oxygen demand 600 - 1,120 mg/g Incubation time: 5 d
Chemical Oxygen Demand (COD)	:	1,420 mg/g
Theoretical oxygen demand (ThOD)	:	1,500 mg/g
Biochemical Oxygen Demand (BOD)/Theoretical oxygen demand (ThOD)	:	76 %

12.4 Bioaccumulative potential

Calibrators

Components:

Methanol:

Bioaccumulation : Remarks: Does not bioaccumulate.

Partition coefficient: : log Pow: -0.77
noctanol/water

Sodium azide (NaN₃): : log Pow: 0.3

Partition coefficient:
noctanol/water

Controls

Components:

Methanol:

Bioaccumulation : Remarks: Does not bioaccumulate.

Partition coefficient: : log Pow: -0.77
noctanol/water

Sodium azide (NaN₃): : log Pow: 0.3

Partition coefficient:
noctanol/water

12.5 Mobility in soil

Calibrators

No data available

Controls

No data available



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12.6 Other adverse effects

Calibrators

No data available

Controls

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods

- Waste from residues : Special treatment as infectious material is mandatory in compliance with local regulations (disinfection and incineration).
Can be disposed as waste water, when in compliance with local regulations.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers
-

SECTION 14: TRANSPORT INFORMATION

14.1 International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

14.2 Domestic regulation

49 CFR

Not regulated as a dangerous good



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SECTION 15: REGULATORY INFORMATION

15.1

Calibrators

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Phosphoric acid, sodium salt (1:2)	7558-79-4	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium azide (NaN ₃)	26628-22-8	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component RQ (lbs)
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SARA 311/312 Hazards : No SARA Hazards

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.:

Phosphoric acid, sodium salt (1:2) 7558-79-4 >= 1 - < 5 %

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.:

Phosphoric acid, sodium salt (1:2) 7558-79-4 >= 1 - < 5 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307



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US State Regulations

Massachusetts Right To Know

Phosphoric acid, sodium salt (1:2)	7558-79-4
Sodium azide (NaN ₃)	26628-22-8

Pennsylvania Right To Know

Water	7732-18-5
Urine from human origin	Not Assigned
Phosphoric acid, sodium salt (1:2)	7558-79-4
Methanol	67-56-1
Sodium azide (NaN ₃)	26628-22-8

Maine Chemicals of High Concern

Vermont Chemicals of High Concern

Washington Chemicals of High Concern

California Prop. 65

WARNING: This product can expose you to chemicals including Methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous Substances

Phosphoric acid, sodium salt (1:2)	7558-79-4
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The components of the product are reported in the following inventories:

DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL. Urine from human origin
AICS	:	Not in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
TCSI	:	Not in compliance with the inventory
TSCA	:	Substance(s) not listed on TSCA inventory



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TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

Controls

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Phosphoric acid, sodium salt (1:2)	7558-79-4	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Sodium azide (NaN ₃)	26628-22-8	1000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

Components	CAS-No.	Component RQ (lbs)
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SARA 311/312 Hazards : No SARA Hazards

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.:

Phosphoric acid, sodium salt (1:2) 7558-79-4 >= 1 - < 5 %

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.:

Phosphoric acid, sodium salt (1:2) 7558-79-4 >= 1 - < 5 %

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307



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US State Regulations

Massachusetts Right To Know

Phosphoric acid, sodium salt (1:2)	7558-79-4
Sodium azide (NaN ₃)	26628-22-8

Pennsylvania Right To Know

Water	7732-18-5
Urine from human origin	Not Assigned
Phosphoric acid, sodium salt (1:2)	7558-79-4
Methanol	67-56-1
Sodium azide (NaN ₃)	26628-22-8

Maine Chemicals of High Concern

Vermont Chemicals of High Concern

Washington Chemicals of High Concern

California Prop. 65

WARNING: This product can expose you to chemicals including Methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous Substances

Phosphoric acid, sodium salt (1:2)	7558-79-4
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The components of the product are reported in the following inventories:

DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL. Urine from human origin
AICS	:	Not in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
TCSI	:	Not in compliance with the inventory
TSCA	:	Substance(s) not listed on TSCA inventory



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TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

15.2

Calibrators

GHS label elements

Not a hazardous substance or mixture.

Controls

GHS label elements

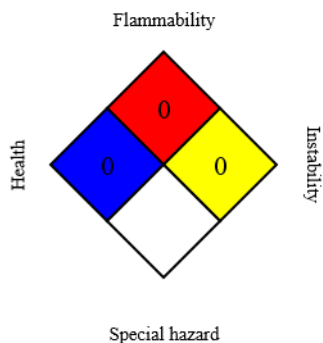
Not a hazardous substance or mixture.

SECTION 16: OTHER INFORMATION

16.1 Further information

Calibrators

NFPA:



HMIS® IV:

HEALTH	/	0
FLAMMABILITY		0
PHYSICAL HAZARD		0

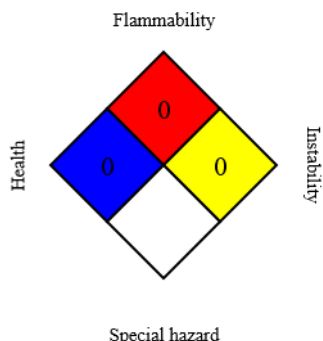
HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.



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Controls

NFPA:



HMIS® IV:

HEALTH	/	0
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the



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Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 02-16-2021

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.