



Safety Data Sheet

UR-144 Pentanoic Acid Calibrators and Controls

SDS No. MS-346CEX

Section 1. Chemical Product and Company Identification

Product Trade Name: UR-144 Pentanoic Acid Calibrator, UR-144 Pentanoic Acid Control Set

Product code: C346-5-1EX, C346-5-2EX

Synonyms: None

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
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	55965-84-9	< 0.005%	Mixture

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
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	None	None	None	None

Canada

Component	Alberta	British Columbia	Ontario	Quebec
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	None	None	None	None

Australia / Mexico

Component	Australia	Mexico
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	None	None

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state	Liquid
Odor	Odorless
Color	Yellow
pH	7.0 (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.
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
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	LD50	862 mg/kg	Oral	Rat
	LD50	2,800 mg/kg	Dermal	Rabbit
Chronic Effects	Carcinogenic Effects: Classified none by NIOSH			
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
Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1)	Daphnia (EC50)	48 hour/hours	0.16 mg/L

Toxicity of the products of biodegradation

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

Additional toxicity information

No data available

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:

H317 May cause sensitization by skin contact.

H315+H320 Irritating to eyes and skin

Prevention and Precautionary Statements

P302+P350 If on skin: Gently wash with plenty of soap and water. P280 Wear protective gloves/protective clothing/ eye protection and face protection.

P405 Store locked up, out of reach of children

P305+P351 If in eyes: Rinse cautiously with water for several minutes.

US Classification and Label Text

Hazard Pictogram



Exclamation Mark



Corrosion

Signal Word

Warning

GHS Statements

H317 May cause sensitization by skin contact.

H315+H320 Irritating to eyes and skin

Prevention and Precautionary Statements

P302+P350 If on skin: Gently wash with plenty of soap and water. P280 Wear protective gloves/protective clothing/ eye protection and face protection.

P405 Store locked up, out of reach of children

P305+P351 If in eyes: Rinse cautiously with water for several minutes.

United States Regulatory Information SARA Listed

No, none of the chemicals in this product have a TPQ.

SARA Codes

None

Clean Air Act

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act

None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL or NJ.

California No Significant Risk Level

None of the chemicals in this product are 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

08/2018

Version

AC

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.