



# Safety Data Sheet

UR-144 Pentanoic Acid Calibrators and Controls

SDS No. MS-346C

## Section 1. Chemical Product and Company Identification

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

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

**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)

## 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
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

### Section 4. First Aid Measures

<b>Eye contact</b>	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.
<b>Skin contact</b>	P332+P350+P313 If skin irritation occurs: Gently wash with plenty of soap and water. Get medical attention if irritation occurs.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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

<b>Flammability of the product</b>	Non-flammable.
<b>Fire-fighting media and instructions</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Special protective equipment for fire-fighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Special remarks on fire hazards</b>	None

### Section 6. Accidental Release Measures

<b>Personal precautions</b>	Ensure adequate ventilation. Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8).
<b>Environmental precautions</b>	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
<b>Methods for cleaning up</b>	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**

<b>Handling</b>	P264+P281 Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Take necessary personal protective precautions before using this product.
<b>Storage</b>	P404 Keep container tightly closed. Store at 2-8°C.

**Section 8. Exposure Controls, Personal Protection**

<b>Engineering measures</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
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**Personal protection**

<b>Eyes</b>	Safety glasses or goggles should be worn to prevent eye contact.
<b>Skin</b>	Laboratory coat or other protective clothing should be worn to protect against splashes and small spills.
<b>Hands</b>	Impervious gloves should be worn to prevent skin contact.
<b>Respiratory</b>	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**

<b>Physical state</b>	Liquid
<b>Odor</b>	Odorless
<b>Color</b>	Yellow
<b>pH</b>	7.0
<b>Boiling/condensation point</b>	The lowest known value is 99.9°C (211.8°F) (water)
<b>Melting/freezing point</b>	May start to solidify at -0.0°C (32°F) based on data for water.
<b>Specific gravity</b>	The only known value is 1 (Water = 1) (Water).

**Section 10. Stability and Reactivity**

<b>Stability and reactivity</b>	The product is stable under normal conditions.
<b>Incompatibility</b>	None

**Section 11. Toxicological Information****Toxicity data**

<b>Ingredient Name</b>	<b>Test</b>	<b>Result</b>	<b>Route</b>	<b>Species</b>
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	2500 mg/kg	Oral	Rat

**Chronic Effects**                      None identified

**Section 12. Ecological Information****Ecotoxicity data**

<b>Ingredient Name</b>	<b>Species</b>	<b>Period</b>	<b>Result</b>
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.

**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**                      Not regulated

**IATA-DGR Class**                      Not regulated

## Section 15. Regulatory Information

### US Federal

#### SARA Section 302 Extremely Hazardous Substances

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 depleters. This material does not contain any Class 2 Ozone depleters.

#### 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.

### European/International Regulations

#### European Labeling in Accordance with GHS



#### Hazard Pictograms:

Signal Word: Warning

#### Hazard Statements

H317 May cause sensitization by skin contact.

H315+H320 Irritating to eyes and skin.

#### Prevention and Precautionary Statements

P405 Store locked up, out of reach of children

P302+P350 If on skin: Gently wash with soap and water

P280 Wear protective gloves / protective clothing / eye protections and face protection.

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

## Section 16. Other information

**Date of issue** 10/2015

**Version** B.1

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.