Safety Data Sheet

Multi-Drug Calibrator and Controls SDS No. MS-MDC

Section 1. Chemical Product and Company Identification

Product Trade Name: Multi-Drug Calibrator, Multi-Drug Controls

Product code: 10000-15, 10000-25, 10001-15, 10001-25, 10002-15, 10002-25, 10003-15, 10003-25, 3000-15, 3000-25, 3001-15, 3001-25

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: Irritant

GHS Label Elements:

Hazard Pictograms



Signal Word Warning

Potential acute health effects

Eyes H320 Contact with eyes may cause irritation.

Skin H315 Prolonged or repeated exposure may cause irritation.

Inhalation H260 Avoid breathing vapors or mists.

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 Phosphate Monobasic, MonoHydrate	10049-21-5	< 1%	Substance
Dibasic Sodium Phosphate, Heptahydrate	7558-79-4	< 1%	Substance
Bovine Serum Albumin	9048-46-8	< 1%	Substance
Sodium Chloride	7647-14-5	< 1%	Substance
Sodium Benzoate	532-32-1	< 1%	Substance
Sodium Azide	26628-22-8	< 0.1%	Substance
Citric Acid	77-92-9	< 1%	Substance
Cremphor	61791-12-6	< 1%	Substance
Water	7732-18-5	> 90%	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 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.

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	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.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state	Liquid
Odor	Odorless
Color	Yellow
pH	7.0
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).

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 Phosphate Monobasic, Monohydrate	LD50	12,930 mg/kg	Oral	Rat
Dibasic Sodium Phosphate , Heptahydrate	LD50	8,290 mg/kg	Oral	Rat
Bovine Serum Albumin	LD50	3.75 g/kg	Oral	Rat
Sodium Chloride	LD50	3000 mg/kg	Oral	Rat
Citric Acid	LD50	5,400 mg/kg	Oral	Rat
Sodium Benzoate	LD50	2,000 mg/kg	Oral	Rat
Sodium Azide	LD50	27 mg/kg	Oral	Rat
Cremophor	LD50	6,400 mg/kg	Oral	Rat

Chronic Effects Carcinogenic Effects: Classified none by NIOSH

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 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 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.

European/International Regulations
European Labeling in Accordance with GHS

Hazard Pictogram: 

Hazard Statements
Signal Word: Warning
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+P352 If on skin: Wash with plenty of soap and water.
P280 Wear protective gloves/ protective clothing/ eye protection and face protection.
P305+P351: If in eyes: Rinse cautiously for several minutes.
H290 May be corrosive to metals. Sodium Azide may react with lead and copper plumbing to form highly explosive metal azides.

Section 16. Other information

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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.