



Safety and Data Sheet SDS

SECTION 1: IDENTIFICATION OF PRODUCT

Product Name: MAP Extraction System
Catalog Number: TC-9014-100
Manufacturer: Tetracore, Inc.
9901 Belward Campus Drive, Suite 300
Rockville, MD 20850 USA
240-268-5400

SECTION 2: HAZARD IDENTIFICATION

Kit Subcomponents:

Subcomponents	Part Number	Hazard Component
NAB™ Buffer	S-9014-004	Tetradecyltrimethylammoniumbromid
Binding Buffer	S-9014-005	Guanidinium thiocyanate
Wash Buffer A	S-9014-006	Guanidinium chloride
Wash Buffer B	S-9014-007	Non hazardous material

SECTION 3: COMPOSITION ON INGREDIENTS

CAS #	Ingredient	Percentage
50-01-1	Guanidinium chloride	50-100%
1119-97-7	Tetradecyltrimethylammoniumbromid	2.5-10%
593-84-0	Guanidinium thiocyanate	50-100%

SECTION 4: FIRST AID MEASURES

Routes of Entry: Inhalation, Skin, Ingestion

Health Hazards: Irritant to the eyes and skin. Harmful by inhalation, ingestion, or contact with skin.

Signs and Symptoms of Exposure: Undetermined

Medical Conditions Aggravated by Exposure: Undetermined

Emergency and First Aid Procedures

After inhalation: Supply fresh air and consult a doctor.

After skin contact: Flush with water and soap.

After eye contact: Rinse under water. Consult a doctor

After swallowing: Immediately call a doctor.

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SECTION 5: FIRE-FIGHTING MEASURES

Flash point: N/A

Flammable Limits: Undetermined

Extinguishing Media: CO₂, extinguishing powder or water spray

Special Fire Fighting Procedures: For large fires, use water spray or alcohol resistant foam.

Unusual Fire and Explosion Hazards: N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of material release (or spill)

Ensure adequate ventilation. Do not allow to enter ground water or sewers or surface water. Absorb with a liquid binding material. Dispose as contaminated waste.

When working with this product, wear appropriate personal protective equipment (PPE). PPE must include gloves.

SECTION 7: HANDLING AND STORAGE

Storage: Room Temperature Storage

Precautions to be taken in handling and storage

When working with this product, wear appropriate personal protective equipment (PPE). PPE must include gloves.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Permissible exposure limit: Undetermined

Personal Protection

When working with this product, wear appropriate personal protective equipment (PPE). PPE must include gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

	NAB TM Buffer	Binding Buffer	Wash Buffer A	Wash Buffer B
Vapor Pressure	23hPa (17mm Hg)	Not applicable	23hPa (17mm Hg)	Not applicable
Vapor Density	Not applicable	1.138 g/cm ³	1.148 g/cm ³	Not applicable
Water Solubility	Fully miscible	Not miscible or difficult to mix.	Fully miscible	Not applicable
Appearance	Colorless Liquid	Colorless Liquid	Colorless Liquid	Colorless Liquid
pH	4.0	7.3	7.5	Not applicable

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SECTION 10: STABILITY AND REACTIVITY

Reacts with acids, oxidizing agents and alkalis.
No decomposition if used according to specifications.

SECTION 11: TOXICOLOGICAL INFORMATION

Irritant to the eyes and skin. Harmful by inhalation, if ingested or with contact with skin.

SECTION 12: ECOLOGICAL INFORMATION

Do not allow components to reach sewage system. Hazardous for water.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method
Do not dispose with household garbage. Do not allow to reach sewage system

SECTION 14: TRANSPORT INFORMATION

Dot Regulations
Hazard Class: 8
Identification Number: UN1760
Packaging Group: III
Proper Shipping Name: CORROSIVE LIQUID, N.O.S.

SECTION 15: REGULATORY INFORMATION

Chemicals known to Cause Cancer: None of the ingredients listed.
Chemicals known to be toxic: None of the ingredients listed.

SECTION 16: OTHER INFORMATION

Revision Date 05/06/2015
Tetracore, Inc. assumes no liability for damage resulting from handling or contact with this product.