

1. Product and Company Identification

1.1	Product name	Specific Gravity Calibrator (1.001 + 1.020)
	Substance/mixture	Mixture
	CAS #	Mixture
	Kit number	MD-101207.01, MD-101207.02
1.2	Recommended product use	
	Mixture's intended use	Diagnostic reagent for IN VITRO quantitative measurement of leukocyte esterase in urine.
	Product restrictions	None known
1.3	Details of the supplier of the safety data sheet	
	Manufacturer information	
	Corporate Headquarters	Diamond Diagnostics Inc. 333 Fiske St., Holliston, MA 01746 United States of America www.diamonddiagnostics.com
	Telephone	+1 (508) 429-0450
	Email	support@diamonddiagnostics.com
	Distributor information	
	Distributor Headquarters	Mission Diagnostics LLC 1 Burton Dr., Meredith, NH 03246 United States of America
	Telephone	+1 (508) 429-0450
	Email	support@diamonddiagnostics.com
1.4	Emergency Telephone	
	Emergency Phone #	+1 (508) 429-0450

2. Hazards Identification

GHS- Classification

Classification Skin Irritant, Eye Irritant



2.1 Substance or mixture classification

Physical state	Liquid
Appearance	Clear/colorless
Emergency overview	Health injuries are not known or expected under normal use.

2.2 Label Elements

Signal word	None
Hazardous substances	No data available
OSHA regulatory status	This product is not hazardous according to OSHA 29CFR 1910.1200.

2.3 Potential health effects

Routes of exposure	Skin contact. Eye contact.
Eyes	May cause eye irritation or serious eye damage.
Skin	May cause skin irritation or skin burns.
Inhalation	May cause irritation to respiratory system.
Ingestion	No data available
Target organs	Eyes and skin.
Chronic effects	No data available
Signs and symptoms	Direct contact with skin and eyes may cause irritation.

2.4 Potential environmental effects

The product components are not classified as environmentally hazardous.

Hazard Statements

H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

Precautionary Statements

P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

3. Composition/Information on ingredients

Components:

Chemical name	CAS-No.	Concentration (% w/w)
Potassium Hydrogen Phthalate	877-24-7	<1.000000
Sodium Chloride	7647-14-5	<1.000000
Chloramphenicol	56-75-7	0.001000
Water	7732-18-5	

4. First Aid Measures

4.1 Description of First Aid Measures

Eye Contact	In case of eye contact, immediately flush eyes with fresh water for at least 15 minutes while holding eyelids open. Remove contact lenses immediately if worn by the affected person. Pursue medical treatment if irritation persists.
Skin Contact	In case of skin contact, remove any or all of contaminated clothing, while rinsing the affected skin with large amounts of water. Pursue medical attention if irritation develops and persists.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion	If swallowed, wash mouth out with water.
Notes to Physician	Provide general supportive measures and treat symptomatically.
General Advice	If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Eye Contact	Causes eye irritation
Skin Contact	Causes skin irritation
Inhalation	No data available
Ingestion	No data available

5. Fire-Fighting Measures

- 5.1 Flammable properties** This product is not flammable.
- 5.2 Extinguishing media**
- Suitable extinguishing media**
Extinguish with water spray, carbon dioxide (CO₂), dry chemical or material appropriate for the surrounding fire.
- Unsuitable extinguishing media**
No data available
- 5.3 Protection of firefighters**
- Specific hazards arising from the chemical**
Emits toxic fumes under fire conditions.
- Protective equipment and precautions for firefighters**
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- Firefighting equipment/instructions**
Use standard firefighting procedures and consider the hazards of other involved materials.
Avoid contaminating surface water with fire extinguishing water.
- Hazardous combustion Products**
Irritating fumes in fire conditions. Carbon oxides, nitrogen oxides.

6. Accidental Release Measures

- 6.1 Personal precautions** Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.
- 6.2 Environmental precautions** No data available.
- 6.3 Methods for containment and cleaning up**
Absorb spillage with non-combustible, absorbent material such as sand, diatomaceous earth, vermiculite or other inert material. Dispose of waste in accordance with all applicable federal, state, local and provincial environmental regulations, per Section 13.
- 6.4 Other information** Clean up in accordance with all applicable regulations.

7. Handling and Storage

- 7.1 Safe Handling** Avoid contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Handle and open container with care.
- Hygiene Measures** Wash exposed skin thoroughly after handling
- 7.2 Storage** Store at 2-8°C. Store in a closed container away from incompatible materials.
- 7.3 Specific use** See section 1 – Recommended Use

8. Exposure Controls / Personnel

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium Hydrogen Phthalate 877-24-7	Not listed	Not listed	Not Listed
Sodium Chloride 7647-14-5	Not listed	Not listed	Not Listed
Chloramphenicol 56-75-7	0.5 mg/m3	Not listed	Not Listed
Water 7732-18-5	Not listed	Not listed	Not Listed

8.1 Occupational exposure limits

No exposure limits noted for ingredient(s).

Exposure guidelines

Follow standard monitoring procedures. Avoid prolonged or repeat exposure.

Engineering controls

Safety shower and eye bath. Mechanical exhaust required.

8.2 Personal protective equipment

Eye / face protection

Wear appropriate chemical safety glasses, goggles or face shields.

Skin protection

Wear lab coat or other protective garments. Wear protective chemical resistant gloves.

Remove any contaminated clothing promptly.

Respiratory protection

NIOSH / MSHA approved respirator

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

Other information

Do NOT eat, drink or smoke during use.

Environment Exposure

No data available

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Liquid

Physical state

Liquid

Form

Liquid

Color

Clear/colorless

Odor

Odorless

Odor threshold

No data available

pH

6.0

Vapor pressure

No data available

Vapor density

No data available

Boiling point

Apex. 212

Viscosity (mm²/s)

No data available

Melting/Freezing point

Approx. 320 – Melting.

Solubility (water)

Soluble

Specific gravity

1.001 / 1.020

Flash point

No data available

Flammability limits in air, upper, % by volume

No data available

Flammability limits in air, lower, % by volume

No data available

Decomposition temperature No data available

Auto-ignition temperature No data available

Evaporation rate No data available

Relative Density No data available

Partition coefficient: No data available

(n-octanol/water)

Explosive properties No data available

Oxidizing properties No data available

10. Stability and Reactivity

10.1 Reactivity No data available

10.2 Chemical stability Material is stable under normal conditions.

10.3 Possibility of hazardous Reactions

No data available

10.4 Conditions to avoid Avoid exposure to heat.

10.5 Incompatible materials Oxidizers

10.6 Hazardous polymerization Does not occur

10.7 Hazardous decomposition Products

None

11. Toxicological Information

11.1 Information on toxicological effects
Sensitization Not classified.

Acute effects Causes skin, and eye irritation

Local effects Ingestion may cause irritation and nausea. May be harmful by inhalation, or skin absorption.

Chronic effects No data available.

Target Organ Effects No data available

Carcinogenicity Not classified to carcinogenicity to humans.

Epidemiology No epidemiological data is available for this product.

Mutagenicity Not classified.

Reproductive effects Not classified.

Symptoms and target organs

Direct contact with skin and eyes may cause irritation. Harmful if swallowed.

Additional information No other specific acute or chronic health impact noted.

12. Ecological Information

12.1 Toxicity

Ecotoxicity No data available

Environmental effects No data available

12.2 Persistence and degradability

No data is available

12.3 Bioaccumulation/Accumulation

No data available

12.4 Mobility in environmental media

No data available

13. Disposal Considerations

13.1 Disposal methods

Disposal instructions Contact a permitted waste disposer to assure compliance with all current local, state and federal regulations.

Waste from residues / unused products

Dispose in accordance with all applicable local and national regulations. Avoid releasing unused products into drainage systems and/or into the environment.

14. Transport Information

DOT Not regulated as a hazardous material by DOT.

DOR Not regulated as dangerous goods.

IATA Not regulated as dangerous goods.

IMDG Not regulated as dangerous goods.

TDG Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is not hazardous according to OSHA 29CFR 1910.1200. This mixture is a component of an in vitro diagnostic device regulated by the U.S. Food and Drug Administration.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart. D)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity (lb.) (40 CFR 302.4)

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

**Section 302 extremely
Hazardous substance
(40 CFR 355, Appendix
A) Section 311/312 (40
CFR370)**

No

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)

Not controlled

Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status

Non-controlled

Inventory status
Country(s) or region Inventory name On inventory (yes/no)*

Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

Mexico regulations This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information

Recommended restrictions	Use in accordance with supplier's recommendations.
Further information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 0 Flammability: 0 Physical hazard: 0
NFPA ratings	Health: 0 Flammability: 0 Instability: 0

Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in text.