



SAFETY DATA SHEET

In compliance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances, Directive 98/79/EC on In Vitro Diagnostic Medical Devices and mixtures, REACH Regulation (EC) No 1907/2006 and Commission Regulation (EU) 2021/979 amendment, and U.S. OSHA Hazard Communication 29CFR1910.1200

Section 1: Product Identification

Product Name: SICKLEDEX® Buffer Reagent

Synonyms: Qualitative solubility test kit for detection of sickling hemoglobins

CAS Number: Mixture, N/A

Product Use: Testing for the presence of sickling hemoglobins in human blood or sickle cell control material.

Manufacturer: Streck

Address: 7002 S. 109 St,
La Vista, NE, 68128

Emergency: Business hours: 1-402-333-1982
24hr (Chem.-Tel): 1-800-255-3924

Section 2: Hazards Identification

Classification: Skin Sensitization, (Category 1), H317
Reproductive Toxicity, (Category 2), H361

Label Elements: Container labeling is not required on medical devices per 29CFR1910.1200(b)(5).

Symbol: Skull and Crossbones, Health hazard

Signal Word: Danger

Hazard Statements:

May cause an allergic skin reaction
Suspected of damaging fertility or the unborn child

Precautionary Statements:

*Obtain special instructions before use (P201). Do not handle until all safety precautions have been read and understood (P202).
Avoid breathing dust/fume/gas/mist/vapors/spray(P261). Wear protective gloves/ protective clothing/ eye protection/ face protection (P280). Wash skin thoroughly after handling (P264). Do not eat, drink or smoke when using this product (P270).
Contaminated work clothing should not be allowed out of the workplace (P272). Wash contaminated clothing before reuse (P363).
Specific treatment: **IF SWALLOWED:** Rinse mouth. Immediately call a POISON CENTER or doctor/physician (P301+P310+P330). **IF ON SKIN:** Wash with plenty of soap and water (P302+P352). If skin irritation or rash occurs: Get medical advice/ attention (P333+P313). IF exposed or concerned: Get medical attention (P308+P313).
Store locked up (P405). Avoid release to the environment (P273). Dispose of contents/ container to an approved waste disposal plant (P501).

*Special instructions refer to Instructions for Use (IFU) and labeling.

Other hazards: No data available.

Section 3: Composition

CAS #	Hazardous Component	Synonyms	% by weight
79-07-2	2-Chloracetamide	N/A	0.1

Section 4: First Aid Measures

List specific first aid measures for:

1. **Skin Contact** – Wash off with soap and plenty of water. Take victim to hospital and consult a physician.
2. **Eye contact** – Flush eyes with water.
3. **Ingestion** – Rinse mouth with plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
4. **Inhalation** - Move to fresh air. Call a physician or poison control center immediately. If breathing stops provide artificial respiration.

Most important symptoms and effects, both acute and delayed:

Allergic skin reaction

Indication of immediate medical attention and special treatment needed:

No data available

Section 5: Fire Fighting Measures

Suitable Extinguishing media	Alcohol resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the chemical	Carbon Dioxides, Nitrogen oxides (NOx), Hydrogen Chloride gas
Special protective equipment and precautions for fire-fighters.	Self-contained respiratory device as needed.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

PPE needed for clean up: Respiratory protection and PPE as detailed in section 8.

Evacuate personnel to safe areas.

Avoid dust formation and breathing dust, vapors, mist or gas.

Ensure adequate ventilation.

Methods and materials for containment and cleaning up

Spill clean-up procedure: Sweep up and shovel taking care not to create dust. Keep in suitable, closed containers for disposal.

Follow-up guidelines: Prevent further leakage or spillage. Do not let product enter drains and avoid discharge into the environment.

Section 7: Handling and Storage

Refer to Instructions for Use (IFU) and labeling for handling and storage.

Handling	Wear appropriate PPE and use in a well-ventilated area.		
Storage	Store tightly capped in a well-ventilated place.		
Temp	2 – 30°C	Warnings	Do not freeze.
Avoid	Contact with skin and eyes and formation of dust and aerosols. Strong oxidizing agents, strong acids, strong bases, and strong reducing agents.		

Section 8: Exposure Control and Personal Protection

Control parameters: Occupational exposure limit values, i.e. PEL, STEL and TLV, have not been assigned for this mixture by OSHA or the American Conference of Governmental Industrial Hygienists (ACGIH).

Engineering control recommendations:

As supplied, use general room ventilation. Avoid contact with skin, eyes and clothes. Wash hands after handling the product.

Individual protection measures:

PPE: Standard Laboratory:

Eye/ Face: NIOSH (US) or EN 166 (EU) approved face shield and safety glasses.

Skin: Handle with gloves and utilize proper glove removal technique to avoid skin contact. Wash and dry hands.

Body: Lab coat or chemical suit.

Additional suggestions: Where room ventilation is not sufficient utilize a NIOSH (US) or EN 166 (EU) approved air-purifying respirator.

Section 9: Physical and Chemical Properties

Physical State	Liquid	Color	White
Odor	No data available	Odor Threshold	No data available
pH	7.0 ± 0.5	Melting/ Freezing point	116-118°C (241-244°F)
Boiling point	No data available	Boiling range	No data available
Flash Point	No data available	Evaporation rate	No data available
Flammability	No data available	Upper/lower flammability	No data available
Explosive limits	No data available	Vapor pressure	0.07 hPa (0.05mmHG at 20°C (68°F))
Vapor density	No data available	Relative density	No data available
Solubility(ies)	No data available	Partition coefficient: n-octanol water	No data available
Auto-ignition temperature	No data available	Decomposition Temperature	No data available
Viscosity	No data available		

Section 10: Stability and Reactivity

1. **Reactivity:** No data available.
2. **Chemical Stability:** Stable under recommended storage conditions.
3. **Possibility of hazardous reactions:** No data available.
4. **Conditions to avoid:** No data available.
5. **Incompatible materials:** Strong oxidizing agents, strong acids, strong bases, and strong reducing agents.
6. **Hazardous decomposition products:** No data available. In the event of fire see section 5.

Section 11: Toxicological Properties

Toxicological effects:	No data available
Route(s) of exposure:	No data available
Symptoms:	No data available
Delayed effects:	No data available
Immediate effects:	No data available
Chronic effects:	Short exposure: No data available Long exposure: No data available
Exposure limits	No data available
Carcinogenicity	Not listed as carcinogens or suspect carcinogens
Measures of Toxicity	Acute Toxicity: LD50 Oral- Rat – 138 mg/kg, Behavioral: Ataxia. Lungs, Thorax or Respiration: Dyspnea.

Section 12: Ecological Information

Ecotoxicity:	Acute aquatic effects: LC50- <i>Carassius auratus</i> (goldfish) – 19.8 mg/L – 96 h, EC50- <i>Daphnia magna</i> (Water flea) – 14 mg/l – 48 h
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Section 13: Disposal Considerations

To the best of our knowledge, this material does not require special disposal considerations. Adhere to local, state and federal regulations with regard to disposal of this product.



Section 14: Transport Information

DOT:

Proper Shipping Name: Toxic Liquids, organic, n.o.s. (2-Chloracetamide)
Hazard Class: 6.1
UN: UN2810
Packing Group: III

IATA:

Proper Shipping Name: Toxic Liquids, organic, n.o.s. (2-Chloracetamide)
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Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

U.S. Federal Regulations

OSHA Hazards

Irritant

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Toxic Substances Control Act (TSCA)

U.S. State Regulations

California Proposition 65

Reproductive Toxicity to both males and females

International Regulations

DSL Status

Some components of this product are on the Canadian DSL or NDSL lists.

European Union (EU)

Regulation (EC) No 1272/2008

Classification, labelling and packaging of substances

Directive 98/79/EC

In Vitro Diagnostic Medical Devices and mixtures

15.2 Chemical safety assessment: For this mixture, a chemical safety assessment has not been carried out.

Section 16: Other

This product is intended for use as supplied.

To the best of our knowledge, the information contained herein is accurate. However, Streck assumes no liability whatsoever for completeness of the information contained herein. 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.

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