

SAFETY DATA SHEET

Section 1: Identification

Product Name:

Brix Calibration Solution 28%

Chemical Name/Synonyms:

Brix Calibration Solution 28%

Company:

Sper Scientific

8281 East Evans Road, Suite 103

Scottsdale, AZ 85260

In emergency call 911.

For information about this SDS, use this department contact phone#: 480-948-4448

Section 2: Hazard(s) Identification

Hazard Classification: None

Signal Word(s): None

Hazard Statements: None

Pictograms: None

Precautionary Statements: None

Description of other hazards: None

Section 3: Composition/ Information on Ingredients

| Chemical Name | Synonym | CAS# | Conc. |
|-----------------|---------|-----------|-------|
| Deionized Water | None | 7732-18-5 | 72% |
| Sucrose | None | 57-50-1 | 28% |

Section 4: First-Aid Measures

After skin contact: Wash hands with soap and water.

After eye contact: In case of contact with eyes, rinse with plenty of water. Seek medical attention if symptoms persist.

After inhalation: Move to fresh air. Seek medical attention is symptoms persist.

After swallowing: Seek medical attention is symptoms persist.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions

Special protective equipment for firefighters: Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers

Section 6: Accidental Release Measures

Personal precautions: None Required

Measures for environmental protection: Dilute with plenty of water.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Section 7: Handling and Storage

Handling: No special measures required.

Storage: No special requirements.

Section 8: Exposure Controls/Personal Protection

| Chemical Name | OSHA PEL | OSHA PEL (ceiling) | ACGIH OEL (TWA) | ACGIH OEL (STEL) |
|-----------------|----------|--------------------|-----------------|------------------|
| Deionized Water | | | | |
| Sucrose | | | | |

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Breathing equipment: Not required.

Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Always ensure that gloves are inspected before use.

Eye protection: Goggles recommended during refilling: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Section 9: Physical and Chemical Properties

Form: Liquid.

Odor: Characteristic.

Odor threshold: Not determined.

pH: Not determined.

Melting point/melting range: Undetermined.

Boiling point/boiling range: 100 °C

Flash point: Not applicable.

Evaporation rate: Not determined.

Flammability: Not applicable.

Upper/lower flammability or explosive limits: Not determined.

Auto ignition temperature: Product is not self igniting.

Danger of explosion: Product does not present an explosion hazard.

Vapor pressure: 23 hPa

Vapor density: 1 g/cm³

Relative density: Not determined

Solubility in/Miscibility with water: Fully miscible.

Section 10: Stability and Reactivity

Reactivity: No further relevant information available

Chemical stability: No decomposition if used according to specifications.

Conditions to avoid: No further relevant information available

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known

Section 11: Toxicological Information

Acute toxicity: Based on available data, the classification criteria are not met.

Potential routes of exposure/potential health effects

Skin: Based on available data, the classification criteria are not met.

Eye: Based on available data, the classification criteria are not met.

Inhalation: Based on available data, the classification criteria are not met.

Ingestion: Based on available data, the classification criteria are not met.

Carcinogenic effects: Based on available data, the classification criteria are not met.

Mutagenic effects: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Sensitization: Based on available data, the classification criteria are not met.

Target organs: Based on available data, the classification criteria are not met.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: No further relevant information available.

Mobility: No further relevant information available.

Biodegradation: No further relevant information available.

Bioaccumulation: No further relevant information available.

Section 13: Disposal Considerations (non-mandatory)

Small Quantity Disposal: Small quantities can be disposed of with household waste.

Large Quantity Disposal: Disposal must be made according to official regulations.

Section 14: Transport Information (non-mandatory)

DOT regulations: None

- **Hazard class:** None
- **Land transport ADR/RID (cross-border):** None
- **ADR/RID class:** None
- **Maritime transport IMDG:** None

Air transport ICAO-TI and IATA-DGR: None

- **ICAO/IATA Class:** None

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Section 355 (extremely hazardous substances): None of the ingredients is listed

SARA Section 313 (specific toxic chemical listings): None of the ingredients is listed

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): None of the ingredients is listed

TSCA (Toxic Substances Control Act): None of the ingredients is listed

Section 16: Other Information

SDS date of preparation/update: August 8th 2022

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