

Safety Data Sheet

QuickSilver™ Fast Running Powdered Buffer

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

Product code: EB1002

Product name: Fast Running Buffer Powder

Company/undertaking identification

Accuris Life Science Reagents, a division of Benchmark Scientific, Inc.

2600A Main Street Extension

Sayreville, NJ 08572

908 769-5555

For Research Use Only. Not for use in diagnostic procedures.

SECTION 2: Hazards identification

GHS – Classification

Signal Word: DANGER
 Skin Hazard: Category 2
 Eye Hazard: Category 2B
 Reproductive Toxicity: Category 1B



Hazard pictograms:

Physical hazards: Not Hazardous

Environmental hazards: Not Hazardous

Hazard Statements: H360FD - May damage fertility. May damage the unborn child

Precautionary Statements

Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Response: If exposed or concerned: Get medical advice/attention

Storage: Not Applicable

Disposal: Dispose of contents/ container to an approved waste disposal plant

Other hazards: Not Applicable

HMIS

Flammability: None

Reactivity: None

SECTION 3: Composition/information on ingredients

Component	CAS-No	EINECS-No	Weight %
Boric Acid	10043-35-3	233-139-2	28-36%
Tris	77-86-1	/	60-70%
EDTA-2Na	139-33-3	205-358-3	1-5%

SECTION 4: First aid measures

Description of first aid measures

Skin contact: Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Immediate medical attention is required.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. If swallowed, rinse mouth with water (only if the person is conscious). Risk of serious damage to the lungs (by aspiration). Get medical attention if symptoms occur.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.

Notes to Physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed

H360FD - May damage fertility. May damage the unborn child

Indication of any immediate medical attention and special treatment needed

If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Dry chemical. Carbon dioxide (CO₂), water spray.

Unsuitable extinguishing media: No information available.

Special hazards arising from the substance or mixture: Not known.

Advice for fire-fighters: Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid exposure to vapor. Avoid breathing vapors or mists. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protection equipment. See Section 8 for more detail.

Environmental precautions

No special environmental precautions required.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

Reference to other sections

See section 8 for more information.

SECTION 7: Handling and storage

Precautions for safe handling

Always wear recommended Personal Protective Equipment. Wash hands before breaks and immediately after handling the product. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or mists. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. See Section 8 for more detail.

Conditions for safe storage, including any incompatibilities

Keep in properly labeled containers. Keep in a dry, cool and well-ventilated place. Store in accordance with local regulations. Keep away from combustible material.

Specific end use(s)

For research use only.

SECTION 8: Exposure controls/personal protection

Control parameters

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Boric Acid	NONE	NONE	2 mg/m ³	6mg/ m ³
Tris	NONE	NONE	NONE	NONE
EDTA-2Na	NONE	NONE	NONE	NONE

Engineering measures: Ensure adequate ventilation, especially in confined areas

Exposure controls

Personal Protective Equipment

Respiratory protection: In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand protection: Wear suitable gloves

Eye protection: Tight sealing safety goggles

Skin and Body Protection: Wear laboratory coat for body protection

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice

Environmental exposure controls: No special environmental precautions required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	White powder
Odor:	None
Odor Threshold:	Mixture has not been tested
pH:	One pack in 1L water, 25°C, pH 8.3 ±0.2
Melting point / melting range:	Mixture has not been tested
Boiling point / boiling range:	Mixture has not been tested
Flash point:	Mixture has not been tested
Autoignition temperature:	Mixture has not been tested
Decomposition temperature:	Mixture has not been tested
Evaporation rate:	No data available
Flammability (solid, gas):	Not Applicable
Upper explosion limit:	Mixture has not been tested
Lower explosion limit:	Mixture has not been tested
Vapor pressure:	Mixture has not been tested
Relative density:	Mixture has not been tested
Specific gravity:	No data available
Solubility:	Soluble in water
Partition coefficient:n-octanol/water:	No data available
Viscosity:	Mixture has not been tested
Explosive properties:	Mixture has not been tested
Oxidizing properties:	Mixture has not been tested
Other information:	No data available

SECTION 10: Stability and reactivity

Reactivity:	None known.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Hazardous reaction has not been reported.
Conditions to avoid:	No information available.
Incompatible materials:	Oxidizing agents. Acids. Bases. Sulfur trioxide. Iodine.
Hazardous decomposition products:	No data available

SECTION 11: Toxicological information

Information on toxicological effects

Chemical Name LD50	(oral, rat/mouse) LD50	(dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
boric acid (Rat)	= 2660 mg/kg	No data	available >0.16mg/L(Rat)
TRIS	No data	No data	No data
EDTA-2Na	No data	No data	No data

Principal Routes of Exposure

Irritation:	No data available
Corrosivity:	No data available
Sensitization:	No data available
STOT - Single Exposure:	No data available
STOT - Repeated Exposure:	No data available
Carcinogenicity:	No data available
Mutagenicity:	No data available
Reproductive toxicity:	No data available
Aspiration hazard:	No data available

SECTION 12: Ecological information

Toxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
boric acid	No data available	Daphnia magna EC50115 - 153 mg/L (48 h)	No data available	No data available	logPow-0.757
TRIS	No data available	No data available	No data available	No data available	No data available
EDTA-2Na	No data available	No data available	No data available	No data available	No data available

Persistence and degradability: No information available.

Bioaccumulative potential: Material does not bioaccumulate.

PBT and vPvB assessment: Not Applicable.

Other adverse effects: No information available.

SECTION 13: Disposal considerations

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations.

UN number: Not Applicable

UN proper shipping name: Not Applicable

Transport hazard class(es): Not Applicable

Packing group: Not Applicable

Environmental hazards: Not Applicable

Special precautions for user: Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not Applicable.

SECTION 15: Regulatory information

US Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

D2A - toxic materials



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

SECTION 16: Other information

Creation date: April 24, 2019

Last update: April 24, 2019

Reason for revision: N/A

Revision number: 0

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References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

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