

SAFETY DATA SHEET

Section 1: Identification

Product Name: Proteometer-UFT Buffer

Chemical Name/Synonyms: Phosphate Buffered Saline, Dry Blend

Company: Novilytic, LLC

1281 Win Hentschel Blvd.

West Lafayette, IN 47906

(765)340-7140

In case of emergency call 911.

For information about this SDS, use the above contact phone#

Section 2: Hazard(s) Identification

Hazard Classification: Not a hazardous substance or mixture

Precautionary Statements: Not a hazardous substance or mixture

Description of Other Hazards: N/A

Appearance of Substance: White to off-white powder

Section 3: Composition/ Information on Ingredients

No component concentrations need to be disclosed according to the applicable regulations.

Chemical Name	Synonym	CAS#	Conc.
Sodium Phosphate Monobasic	Sodium Dihydrogen Phosphate	7558-80-7	See Above
Sodium Phosphate Dibasic	Sodium Hydrogen Phosphate	7558-79-4	
Sodium Chloride	Salt	7647-14-5	See Above

Section 4: First-Aid Measures

After skin contact: Wash off with soap and water. Consult a physician if necessary.

After eye contact: Flush eyes as a precaution. Consult a physician if necessary.

After inhalation: If inhaled, move person into fresh air. If not breathing, provide artificial respiration. Consult a physician if necessary.

After swallowing: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Avoid breathing dust.

Measures for environmental protection: Do not let product enter drains.

Measures for cleaning/collecting: Pick up and arrange for disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Handle in accordance with good industrial hygiene and safety practices. Wash hands at the end of use and throughout the workday.

Storage: Keep container tightly closed in a dry and well-ventilated place.

Storage Class: 13: Non-Combustible Solids

Section 8: Exposure Controls/Personal Protection

Contains no substances with occupational exposure limit values.

General protective and hygienic measures: Choose body protection in relation to its type, to the concentration, and amount of dangerous substances, and to the specific workplace.

Breathing equipment: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate standards such as NIOSH (US) or CEN (EU).

Protection of hands: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: 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: Free flowing white to off-white wetttable powder

Odor: None

Odor threshold: N/A

pH: 7.2 ± 0.1

Melting point/melting range: No data available.

Boiling point/boiling range: No data available.

Flash point: N/A

Evaporation rate: No data available.

Flammability: No data available.

Upper/lower flammability or explosive limits: No data available.

Auto ignition temperature: No data available.

Danger of explosion: No data available.

Vapor pressure: No data available.

Vapor density: No data available.

Relative density: No data available.

Solubility in/Miscibility with water: No data available.

Section 10: Stability and Reactivity

Reactivity: No data available.

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: No data available.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: In the event of fire, see section 5.

Section 11: Toxicological Information

Acute toxicity: Oral: No data available.

Oral acute toxicity estimate – 3,960 mg/kg (Calculation method)

Inhalation: No data available.

Dermal: No data available.

Dermal acute toxicity estimate – 5,000 mg/kg (Calculation method)

Potential routes of exposure/potential health effects

Skin: No data available.

Eye: No data available.

Inhalation: No data available.

Ingestion: No data available.

Carcinogenic effects: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC or NTP. No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Mutagenic effects: No data available.

Reproductive toxicity: No data available.

Sensitization: No data available.

Target organs: Liver – Irregularities – Based on Human Evidence

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: No data available.

Mobility: No data available.

Biodegradation: No data available.

Bioaccumulation: No data available.

Section 13: Disposal Considerations (non-mandatory)

Product: Dispose of using a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information (non-mandatory)

DOT regulations: Not dangerous goods.

- **Hazard class:** Not dangerous goods.
- **Land transport ADR/RID (cross-border):** Not dangerous goods.
- **ADR/RID class:** Not dangerous goods.
- **Maritime transport IMDG:** Not dangerous goods.

Air transport ICAO-TI and IATA-DGR: Not dangerous goods.

- **ICAO/IATA Class:** Not dangerous goods.

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Section 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Section 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels as established by SARA Title III, Section 313.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): N/A

TSCA (Toxic Substances Control Act): N/A

Section 16: Other Information

Copyright 2023 Novilytic, LLC. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product regarding appropriate safety precautions. It does not represent any guarantee of the properties of the product. Novilytic, LLC, and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

SDS date of preparation/update: 21 March 2023