



Material Safety Data Sheet

Product No. 19977 Neutralextm

Issue Date (12-01-08)

Review Date (06-01-12)

Section 1: Product and Company Identification

Product Name: Neutralextm

Synonym: Tissue-Tek® NEUTRALEX™

Manufactured For: Sakura Finetek U.S.A., Inc.

Company Name

Ted Pella, Inc., P.O. Box 492477, Redding, CA 96049-2477

Domestic Phone (800) 237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

International Phone (01) (530) 243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Chemtrec Emergency Number 1-800-424-9300 24 hrs a day.

Section 2: Composition / Information on Ingredients

| Principle Hazardous Component(s) (chemical and common name(s)) (Cas. No) | % | OSHA PEL mg/m3 | ACGIH TLV mg/m3 | NTP | IARC | OSHA regulated |
|--|-----------------|----------------------|-----------------------|-----|------|-------------------|
| Trade secret-chemical identity withheld | Trade secret | 5 | 5 | No | No | No |

Section 3: Hazard Identification

Emergency overview

Appearance: White powder.

Immediate effects: Irritant.

Potential health effects

Primary Routes of entry: Inhalation, ingestion, eyes.

Signs and Symptoms of Overexposure: ND

Eyes: Depending on the quantity that comes in contact with an eye, the injuries sustained may range from mild irritation to redness and burning.

Skin: Exposure causes skin irritation, redness, and burning. Absorption through skin is unlikely.

Ingestion: May irritate gastrointestinal tract. Single dose oral toxicity is moderate.

Symptoms may include stomach irritation, nausea, and diarrhea.

Inhalation: Contact with acid solution of pH less than 4 releases sulfur dioxide gas which may be harmful or deadly if inhaled. Inhalation of dust or mist can irritate the respiratory tract. Possible signs and symptoms of allergic reactions include bronchus constriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure, and anaphylaxis.

Chronic Exposure: Very large doses cause death, violent colic, diarrhea, and depression.

Chemical Listed As Carcinogen Or Potential Carcinogen: None

See Toxicological Information (Section 11)

Potential environmental effects

See Ecological Information (Section 12)

Section 4: First Aid Measures

If accidental overexposure is suspected

Eye(s) Contact: Do not allow victim to rub or keep eyes tightly shut. Flush eyes immediately with water for 10 - 15 minutes. If burning persists, seek medical care.

Skin Contact: Contaminated clothing should be removed immediately. The affected body areas should be flushed with water for a period of approximately 15 minutes. If symptoms persist, seek medical attention.

Inhalation: The patient should be transported away from exposure and brought to fresh air. If necessary administer CPR, keep warm and quiet. Seek immediate medical attention.

Ingestion: Give plenty of water or milk to drink. If conscious, induce vomiting by touching finger to back of throat. Get immediate medical attention. Never give anything by mouth to an unconscious person.

Note to physician

Treatment: ND

Medical Conditions generally Aggravated by Exposure: May cause severe or deadly allergic reaction in some asthmatic and sulfur sensitive individuals. Pre-existing skin conditions could be aggravated.

Section 5: Fire Fighting Measures

Flash Point: Noncombustible.

Flammable Limits: ND

Auto-ignition point: NA

Fire Extinguishing Media: Water fog, regular foam, dry chemicals, or carbon dioxide.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus with full body protection.

Unusual Fire and Explosion Hazards: ND

Hazardous combustion products: ND

DOT Class: Not regulated

Section 6: Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: With clean dry shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

Waste Disposal Methods: Dispose of waste according to Federal, State and Local Regulations.

Section 7: Handling and Storage

Precautions to be Taken in Handling and Storage: Suitable for any general chemical storage area. All electrical equipment in storage and/or handling areas should be installed in accordance with applicable requirements of the National Electrical Code (NEC).

Storage temperature: ND

Storage Pressure: ND

Section 8: Exposure Controls / Personal Protection

Engineering Controls

Ventilation required: General mechanical or local exhaust should be used to maintain low exposure levels. Use in fume hood.

Personal Protection Equipment

Respiratory protection: Avoid prolonged periods of directly breathing vapors. In absence of proper environmental controls, the use of a NIOSH/OSHA respirator is recommended. Respirator use should comply with OSHA 29 CFR 1910.134.

Protective gloves: Appropriate resistant gloves.

Skin protection: Laboratory working clothes covering arms and legs.

Eye protection: Chemical splash goggles.

Additional clothing and/or equipment: ND

Exposure Guidelines

See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties

Appearance and Physical State: White powder.

Odor (threshold): ND

Specific Gravity (H₂O=1): >1

Vapor Pressure (mm Hg): ND

Vapor Density (air=1): ND

Percent Volatile by volume: ND

Evaporation Rate (butyl acetate=1): ND

Boiling Point: ND

Freezing point / melting point: ND

pH: 6.5-7.0 (5% aqueous. Solution)

Solubility in Water: ND

Molecular Weight: ND

Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: ND

Materials to Avoid (Incompatibility): Store the product away from acids and oxidizers.

Hazardous Decomposition Products: Sulfur oxides can be generated upon adding or mixing with acids.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Results of component toxicity test performed: ND

Human experience: ND

This product **does** not contain any compounds listed by NTP or IARC or regulated by OSHA as a carcinogen.

Section 12: Ecological Information

Ecological Information: Aquatic Bioassay was conducted using guidelines prescribed in "Static Acute Bioassay Procedure for Hazardous Waste for Samples," result status = pass, 96 hour LC50 > 750 mg/l. This product is within the allowable limits specified in 40 CFR 261 and 433.11, California Soluble Threshold Limit Concentrations (STLCs) and Total Threshold Limit Concentration (TTLCs) and is considered a non-hazardous material.
Chemical Fate Information: ND

Section 13 Disposal Considerations

RCRA 40 CFR 261 Classification: Not listed
Federal, State and local laws governing disposal of materials can differ. Ensure proper disposal compliance with proper authorities before disposal.

Section 14: Transportation Information

US DOT Information: Proper shipping name: Not regulated
IATA: Proper shipping name: Not regulated
IMO: Proper shipping name: Not regulated
Marine Pollutant: ND
Canadian TDG: ND
IMDG Page: ND
Limitations: ND

Section 15: Regulatory Information

United States Federal Regulations

MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.
SARA: Not listed
SARA Title III: Not listed
RCRA: Not listed
TSCA: Not listed
CERCLA: Not listed

State Regulations

California Proposition 65: None of the ingredients of this product are listed in California's Proposition 65 list of carcinogens.

International Regulations

Canada WHMIS: NE
Europe EINECS Numbers: NE

Section 16: Other Information

Label Information: NIF
European Risk and Safety Phrases: NIF
European symbols needed: NIF
Canadian WHMIS Symbols: NE
Hazard Rating: Health: **NE**; Fire: **NE**; Reactivity: **NE**
(0=least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Abbreviations used in this document

NE= Not established

NA= Not applicable

NIF= No Information Found

ND= No Data

Disclaimer

Ted Pella, Inc. makes no warranty of any kind regarding the information furnished herein. Users should independently determine the suitability and completeness of information from all sources. While this data is presented in good faith and believed to be accurate, it should be considered only as a supplement to other information gathered by the user. It is the User's responsibility to assure the proper use and disposal of these materials as well as the safety and health of all personnel who may work with or otherwise come in contact with these materials.

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