TED PELLA, INC.
Microscopy Products for Science and Industry

Material Safety Data Sheet

Product No. 19975 Neutra-Form™
Issue Date (12-01-08)
Review Date (06-01-12)

Section 1: Product and Company Identification

Product Name: Neutra-Form™
Synonym: Tissue-Tek® NEUTRA-FORM™
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: Whitish powder.
Immediate effects: Irritation
Target organs: Respiratory tract, eyes.
Potential health effects
Primary Routes of entry: Inhalation and eye contact.
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. Pre-existing skin conditions could be aggravated. Absorption through skin is unlikely.
Ingestion: Single dose oral toxicity is moderate. Symptoms may include stomach irritation, nausea, and diarrhea.
Inhalation: Dust can cause irritation of nasal and respiratory passages.
Chronic Exposure: ND

Chemical Listed As Carcinogen Or Potential Carcinogen: IARC, NTP, and OSHA do not list chemical ingredients as a carcinogen.
See Toxicological Information (Section11)
Potential environmental effects
See Ecological Information (Section 12)

Section 4: First Aid Measures
If accidental overexposure is suspected
Eye(s) Contact: 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: Induce vomiting to conscious victims and seek medical attention. Unconscious victims should be placed on their left side with their head down. Do not induce vomiting.
Note to physician
Treatment: ND
Medical Conditions generally Aggravated by Exposure: ND

Section 5: Fire Fighting Measures
Flash Point: > 200 °F
Flammable Limits: ND
Auto-ignition point: ND
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: None
DOT Class: Not regulated

Section 6: Accidental Release Measures
Steps to be Taken in Case Material is Released or Spilled: Small and Large Spills: 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.

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 work clothing.
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

Engineering Controls

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

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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.
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Exposure Guidelines

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Section 9 Physical and Chemical Properties

Appearance and Physical State: Whitish powder.
Odor (threshold): ND
Specific Gravity (H_2O=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 after neutralization
Solubility in Water: ND
Molecular Weight: ND

Section 10: Stability and Reactivity
Stability: Stable
Conditions to Avoid: ND
Materials to Avoid (Incompatibility): Avoid contact with strong mineral acids and strong oxidizing agents.
Hazardous Decomposition Products: None.
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. Neutra-Form™ 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: No
Canadian TDG: Not regulated

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
International Regulations

Canada WHMIS: ND
Europe EINECS Numbers: ND

Section 16: Other Information
Label Information: ND
European Risk and Safety Phrases: ND
European symbols needed: ND
Canadian WHMIS Symbols: ND
NFPA Hazard Rating: Health: **1**; Fire: **0**; Reactivity: **0**
(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

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