TED PELLA, INC.
Microscopy Products for Science and Industry

Material Safety Data Sheet
Product No. 821-9 Wafer-Mount™ 562-S Stripper
Issue Date (02-10-09)
Review Date (05-03-12)

Section 1: Product and Company Identification

Product Name: Wafer-Mount™ 562-S Stripper
Synonym: None
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
Potassium Hydroxide (1310-58-3)	*	2	2	No	No	No
Sodium Metasilicate, Pentahydrate (6834-92-0)	*	NE	NE	No	No	No
Tripropylene Glycol Monomethyl Ether (25498-49-1)	*	NE	NE	No	No	No
Water (7732-18-5)	*	NA	NA	No	No	No

*Proprietary
Notes:
1) This product is a liquid mixture and all powders are dissolved in water.
2) Exposure values shown for guidance only. Please follow applicable regulations.

Section 3: Hazard Identification

Emergency overview
Appearance: Clear liquid.
Immediate effects: Corrosive to the eyes, skin, respiratory, and digestive tracts. Due to high pH of product, release into surface water is harmful to aquatic life. Non-combustible. Reacts with acids
Potential health effects

Primary Routes of entry: Skin, eyes, ingestion.
Signs and Symptoms of Overexposure: In general, chronic effects are due to long-term irritation. This material may cause dermatitis on the skin, or recurrent corneal ulceration and visual disturbances. In rare cases reports have noted long term inhalation causes bronchial inflammatory reaction or obstructive airway dysfunction.
Eyes: Corrosive. Causes irritation, burns, eye damage, and blindness.
Skin: Corrosive. Causes irritation, burns.
Ingestion: Corrosive. Causes irritation, burns, nausea, vomiting.
Inhalation: Corrosive. Causes irritation, burns, and pulmonary edema.
Chronic Exposure: No known chronic hazards.
Chemical Listed As Carcinogen Or Potential Carcinogen: Not listed on NTP, IARC or OSHA as 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: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If a physician is not immediately available, eye irrigation should be continued for an additional 15 minutes.
Skin Contact: Immediately wipe excess material off skin with a dry cloth then wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes and clean thoroughly before re-use.
Inhalation: Remove from immediate source of exposure and assure that victim is breathing. If not breathing, administer cardio-pulmonary resuscitation (CPR). If breathing is difficult, administer oxygen if available. Seek medical attention.
Ingestion: If swallowed, do not induce vomiting. If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention immediately. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.
Note to physician
Treatment: ND
Medical Conditions generally Aggravated by Exposure: Respiratory system including asthma and other breathing disorders.

Section 5: Fire Fighting Measures
Flash Point: This material is non-combustible.
Flammable Limits: NA
Auto-ignition point: NA
Fire Extinguishing Media: This material is compatible with all extinguishing media.
Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved

positive pressure breathing apparatus with full face piece and full chemical resistant protective clothing. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.
Unusual Fire and Explosion Hazards: None.
Hazardous combustion products: None known.
DOT Class: Corrosive.

Section 6: Accidental Release Measures
Steps to be Taken in Case Material is Released or Spilled: Wear chemical goggles, body-covering protective clothing, chemical resistant gloves, and rubber boots. Use NIOSH approved respirator where mist occurs. Spill Cleanup: Avoid breathing dust. Use vacuuming or sweeping compound for cleanup. Do not dry sweep or use methods that increase dusting. Prevent entry into sewers and waterways. Flush area with water to complete cleanup.
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: Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Store in clean plastic containers. Promptly
clean residue from closures with cloth dampened with water. Promptly clean up spill.
Storage temperature: Store in an area that is cool, dry, and well ventilated.
Storage Pressure: NA

Section 8: Exposure Controls / Personal Protection
Engineering Controls
Ventilation required: Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated, appropriate personal protection equipment and local ventilation controls must be employed. If exposure limits are exceeded and local ventilation is unavailable, a supplied-air respirator or a self-contained NIOSH-approved dust and mist respirator is required.
Personal Protection Equipment
Respiratory protection: Use NIOSH approved respirator where mist occurs.
Protective gloves: Wear chemical resistant gloves.
Skin protection: Wear body-covering protective clothing.
Eye protection: Wear chemical goggles.
Additional clothing and/or equipment: Safety shower and eyewash fountain should be within direct access.
Exposure Guidelines
See Composition/Information on Ingredients (Section2)

Section 9 Physical and Chemical Properties
Appearance and Physical State: Clear liquid.
Odor (threshold): Caustic odor.
Specific Gravity (H_2O=1): 1.05 g/cc

Vapor Pressure (mm Hg): NE
Vapor Density (air=1): NE
Percent Volatile by volume: NE

Evaporation Rate (butyl acetate=1): NE
Boiling Point: NE
Freezing point / melting point: NE
pH: >13
Solubility in Water: Soluble
Molecular Weight: NA

Section 10: Stability and Reactivity
Stability: This material is stable under all conditions of use and storage.
Conditions to Avoid: Mixing with additional water, acid or incompatible materials may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas. Carbon monoxide gas may form upon contact with reducing sugars or food and beverage products in enclosed spaces.
Materials to Avoid (Incompatibility): Acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.
Hazardous Decomposition Products: None known.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information
Results of component toxicity test performed: This material has exhibited moderate toxicity to aquatic organisms. Potassium Hydroxide: Mosquito Fish LD50: 80 mg/l, 96 hours.
Guppy LD50: 165 mg/l, 24 hours
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: This material is alkaline and may raise the pH of surface waters with low buffering capacity. This material is believed to exist in the disassociated state in the environment.
Chemical Fate Information: This material is believed not to bioaccumulate.

Section 13 Disposal Considerations
RCRA 40 CFR 261 Classification: ND
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: Potassium Hydroxide Solution
Hazard Class: 8

Packaging group: II
UN Number: UN1814
IATA: Proper shipping name: Potassium Hydroxide Solution
Hazard Class: 8
Packing group: II
UN Number: UN1814
IMO: Proper shipping name: Potassium Hydroxide Solution
Class: 8
UN Number: UN1814
Packing group: II
Marine Pollutant: No
Canadian TDG: Potassium Hydroxide Solution

Section 15: Regulatory Information
United States Federal Regulations
MSDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200.
SARA: Section 302, 304, 313: This product does not contain any substances reportable under these sections.
SARA Title III: Sections 311, 312: Fire Hazard No. Reactivity Hazard: Yes. Pressure Hazard: No. Immediate Hazard: Yes. Delayed Hazard: No
RCRA: ND
TSCA: All ingredients of this material are listed on the TSCA inventory.
CERCLA: Reportable quantity is 1000 lbs.
State Regulations
California Proposition 65: None
International Regulations
Canada WHMIS: DSL: Yes
Europe EINECS Numbers: ND

Section 16: Other Information
Label Information: Corrosive Liquid.
European Risk and Safety Phrases: ND
European symbols needed: ND
Canadian WHMIS Symbols: ND
HMIS® Hazard Rating: Health: **3**; Flammability: **0**; Reactivity: **1**; Personal Protection: **H**
NFPA Hazard Rating: Health: **3**; Flammability: **0**; Reactivity: **1**
(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.