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Version 2

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier**

**Product Name** United 979 PAPER PUNCH

**Other means of identification**

**SDS #** UNITED-979

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Pulp and Paper Control  
**Uses Advised Against** For industrial and institutional use only.

**Details of the supplier of the safety data sheet**

**Supplier Address**

United Laboratories, Inc.  
320 37th Avenue  
St. Charles, IL 60174  
www.unitedlabsinc.com  
www.unitedlabsinc.ca

**Emergency Telephone Number**

**Company Phone Number** 800-323-2594 (to reorder)  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

**2. HAZARDS IDENTIFICATION**

This product is classified and labeled according to the GHS.

**Classification**

Respiratory Sensitization	Category 1
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**Label elements**

**Signal word:** Danger

**Hazard statements**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.



**Precautionary Statements - Prevention**

Obtain special instructions before use. Wear respiratory protection. Avoid breathing dust/fume/gas/mist/vapors/spray.

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention. If experiencing respiratory symptoms: call a poison center or physician. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Precautionary Statements - Storage**

Store according to local rules and regulations.

**Hazard(s) not otherwise classified (HNOC)**

None known.

**Unknown acute toxicity**

73.5 percent of the mixture consists of ingredient(s) of unknown toxicity.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight%	Trade Secret
Trade Secret	-	40-60	*
Sodium Citrate	6132-04-3	15-35	*

Chemical characterization: Mixtures. Description: Mixture of substances listed below with nonhazardous additions.

**Dangerous Components**

Chemical	Weight %
Cellulase 9012-54-8 H334	5-10
Acid Cellulase 9012-54-8 H334	5-10
Citric Acid 77-92-9 H319 RTECS: GE7350000	5-10

\*If Chemical Name/CAS No. is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse opened eye for several minutes under running water. If eye irritation occurs, consult a doctor.
<b>Skin Contact</b>	Generally, the product does not irritate the skin. Wash areas with soap and water. If skin irritation occurs, consult a doctor.
<b>Inhalation</b>	Supply fresh air; consult doctor in case of complaints.
<b>Ingestion</b>	If swallowed and symptoms occur, consult a doctor.

**Most important symptoms and effects**

<b>Symptoms</b>	No information available.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Unsuitable Extinguishing Media** None known.

### Specific Hazards Arising from the Chemical

If incinerated, product will release the following toxic fumes: Oxides of Carbon.

**Hazardous Combustion Products** No information available.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid formation of dust. Ensure adequate ventilation.

**Environmental Precautions** Damp down dust with water spray. Do not allow to enter sewers/surface or ground water.

### Methods and material for containment and cleaning up

**Methods for Clean-Up and containment** Sweep up the material. Avoid the formation of dust. Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation. Dispose of collected material according to regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Avoid contact with skin, eyes and clothing. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** No special requirements. Store away from incompatible material(s). Store in original container.

**Incompatible materials** Strong acids, strong bases and strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

All ventilation should be designed in accordance with OSHA standard (29CFR1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits,

### Components with occupation exposure limits

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### Additional information

The lists that were valid during the creation of this SDS were used as basis.

**Appropriate engineering control**

**Individual protection measures, such as personal protective equipment**

- Eye/Face Protection** Safety goggles are recommended during filling.
- Skin and Body Protection** Protective gloves recommended\*. The glove material has to be impermeable and resistant to the product/the substance and the preparation. Select glove material based on penetration times, rates of diffusion and degradation.  
  
\*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. The exact breath-through time has to be determined and observed by the manufacturer of the protective gloves.
- Respiratory Protection** Do not breathe dust. Dust mask recommended.
- General Hygiene Considerations** The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Solid	<b>Odor</b>	Sweetish
<b>Appearance</b>	Powder	<b>Odor Threshold</b>	Not determined
<b>Color</b>	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH-value (10 g/l) @ 20°C(68°F):	5.2	
Melting Point/Freezing Point	No information available	
Boiling Point/Boiling Range	588.2°F (309°C)	
Flash Point	No information available	
Evaporation Rate	No information available	
Flammability (Solid, Gas)	No information available	
Upper Flammability Limits	No information available	
Lower Flammability Limit	No information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Water Solubility	Fully miscible	
Solubility in other solvents	0.5% water	
Auto ignition temperature	Product is not self-igniting	
Ignition Temperature	1010°C (1850°F)	
Danger of explosion	Product does not present an explosion hazard	
Decomposition Temperature	No information available	
Kinematic Viscosity	No information available	
Solids content	79.5%	
VOC Content	None	

**10. STABILITY AND REACTIVITY**

**Reactivity**

No further relevant information available.

**Chemical Stability**

Stable under normal conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

No further information available.

**Thermal decomposition / conditions to be avoided**

No decomposition if used according to specifications.

**Incompatible Materials**

Strong acids, strong bases and strong oxidizing agents.

**Possibility of hazardous reactions**

No dangerous reactions known.

**Hazardous Decomposition Products**

Oxides of Carbon.

**11. TOXICOLOGICAL INFORMATION****Product Information****Information on likely routes of exposure****Product Information**

<b>Eye Contact</b>	No irritating effect.
<b>Skin Contact</b>	No irritating effect.
<b>Inhalation</b>	Sensitization possible through inhalation.
<b>Ingestion</b>	No information available.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Citric Acid 77-92-9	5400 mg/kg (Rat)	>2000 mg/kg (Rat)	-

**Toxicological Information**

The product shows the following dangers according to internally approved calculation methods for preparations: Harmful.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	Sensitization possible through inhalation.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT – single and repeated exposure</b>	No information available.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Hazards for the aquatic environment are unknown.

**Persistence/Degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

**Other Adverse Effects**

No information available.

**General Notes**

Not known to be hazardous to water.

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable federal, state and local laws and regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Contaminated Packaging**

Disposal should be in accordance with applicable federal, state and local laws and regulations. Dispose of as unused product.

### 14. TRANSPORT INFORMATION

**DOT**

Not regulated.

**IATA**

Not regulated.

**IMDG**

Not regulated.

**Special precautions for user**

No information available

**Transport in bulk according to Annex II of MARPOL73 and the IBC Code**

No information available

### 15. REGULATORY INFORMATION

**International Inventories****TSCA**

Cellulase/Acid Cellulase (9012-54-8), Citric Acid (77-92-9) and Water, de-ionized (7732-18-5).

**US Federal Regulations****SARA 355 Extremely hazardous substance**

No ingredients listed.

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any Chemical(s) which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**GHS Symbol**

Danger. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

**California Proposition 65**

This product does not contain chemical(s) known to the State of California to cause cancer and/or cause birth defects or other reproductive harm.

**National Regulations**

None of the ingredients are listed.

**U.S. State Right-to-Know Regulations**

All ingredients are listed.

**Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b> 0	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special Hazards</b> -
<b><u>HMIS</u></b>	<b>Health Hazards</b> 0	<b>Flammability</b> 0	<b>Physical Hazards</b> 0	<b>Personal Protection</b> E

<b>Issue Date</b>	03-Jul-2018
<b>Revision Date:</b>	12-Nov-2018
<b>Revision Note</b>	Revisions to Section 9 and 15

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**