

## SAFETY DATA SHEET

Product No. 813-520, 813-522 PELCO® Acrylimet Powder

Issue Date (10-21-15)

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### Section 1: Product and Company Identification

Product Name: PELCO® Acrylimet Powder

Synonym: None

Company Name

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

Inside USA and Canada 1-800-237-3526 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

Outside USA and Canada 1-530-243-2200 (Mon-Thu. 6:00AM to 4:30PM PST; Fri 6:00AM to 4:00PM PST)

CHEMTREC USA and Canada Emergency Contact Number 1-800-424-9300 24 hours a day

CHEMTREC Outside USA and Canada Emergency Contact Number +1-703-741-5970 24 hours a day

### Section 2: Hazard Identification

Classification of the substance or mixture.

Signal Word: **WARNING**

GHS Categories

GHS07 – Irritant

Eye damage/irritation:

Category 2B

Skin sensitization:

Category 1

Label elements

GHS Pictograms:



GHS07

**OSHA Defined Hazards:**

For bulk size, Combustible dust, may form combustible dust concentrations in air, explosion hazard.

**Hazard Statements**

H317

May cause an allergic skin reaction.

H320

Causes eye irritation.

**Precautionary Statements**

**Prevention:**

P240

Ground/bond container and receiving equipment.

P261

Avoid breathing dust/fume/gas/mist/vapors/spray.

P264

Wash face, hands and any exposed skin thoroughly after handling.

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves, protective clothing, eye protection, and face protection.

**Response:**

P302 + P352

IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.

**Disposal:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

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**Section 3: Composition / Information on Ingredients**

<b>Hazardous Component(s)</b>	<b>CAS No.</b>	<b>w/w%</b>
Poly(ethyl methacrylate) (PEMA)	9003-42-3	< 99%
Benzoyl peroxide	94-36-0	<2%

- Specific chemical weight has been withheld as a trade secret.

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**Section 4: First Aid Measures**

**General advice:** If exposed or concerned, get medical advice or attention.

**Inhalation:** Remove to fresh air. Keep at rest in a position comfortable for breathing.  
Get medical attention if discomfort persists.

**Skin Contact:** Wash with soap and water.  
If irritation persists, call a physician.  
Take off contaminated clothing and wash before reuse.

**Eye(s) Contact:** Rinse immediately with plenty of water, including under eyelids, for at least 15 minutes.  
If irritation persists, get medical advice/attention.

**Ingestion:** Do not induce vomiting. Drink plenty of water or milk immediately. If vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately and provide an estimate of when and how much material was ingested. Seek medical attention.

**Symptoms:** Skin contact may aggravate an existing dermatitis.  
Direct contact with eyes may cause temporary irritation.

**Note to physician:** Treat symptomatically.

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**Section 5: Fire Fighting Measures**

**Suitable Extinguishing Media:** Chemical (alcohol-resistant) foam, dry chemical or carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** Water spray or water stream may not be effective.

**Specific hazards arising from product:**  
For bulk size: Polymers are combustible dusts, care should be taken to avoid creating explosive concentrations in the air.  
Follow grounding and bonding procedures.

**Special Fire Fighting Procedures:**  
Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.

**Special protective equipment for fire fighters:**  
Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Polymers are sensitive to static discharge, follow grounding and bonding procedures. Polymers are not sensitive to mechanical impacts.

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## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment as required.  
Deny entry to all unprotected individuals.  
Remove any contaminated clothing and wash thoroughly before reuse.

Environmental precautions: Extinguish all ignition sources.  
Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. U.S. Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities.

### Methods and material for containment and clean-up

Method for containment: Prevent further leakage or spillage if safe to do so.  
Dike and contain spill with inert material, sand or earth.  
May contaminate water supply.

Method for clean-up: Maximize ventilation (open doors and windows) and secure all sources of ignition.  
Sweep up to avoid slipping hazard.  
Keep airborne particulates at a minimum when cleaning up spills.  
Place into appropriate closed containers for disposal in accordance with local, state and federal regulations.  
Wash all affected areas with plenty of warm water and soap.  
Not a RCRA Hazardous waste.

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## Section 7: Handling and Storage

### Precautions for safe handling

Advice on safe handling: Use only in well-ventilated areas.  
Avoid contact with skin, eyes or clothing.  
Avoid breathing dust or fume.  
Handle in accordance with good industrial hygiene and safety practice.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities:

Storage Conditions: Keep containers tightly closed to prevent water absorption and contamination.  
Store in a dry, cool and well-ventilated place away from direct sunlight or other sources of light or intense heat.  
Preferable storage temperature not to exceed 35°C/95°F.

Packaging materials: Keep in original container.  
Incompatible materials Strong oxidizing agents, strong reducing agents, free-radical generators, inert gases, oxygen scavengers.

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## Section 8: Exposure Controls / Personal Protection

### Exposure Guidelines

<u>Chemical Name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>NIOSH IDLH</u>
Benzoyl peroxide 94-36-0	TWA: 5mg/m <sup>3</sup>	TWA: 5mg/m <sup>3</sup>	TWA: 5mg/m <sup>3</sup>

### Appropriate engineering controls

Engineering controls: Apply technical measures to comply with the occupational exposure limits.  
When working with large quantities of product, provide adequate ventilation (e.g. local exhaust ventilation, fans).

Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

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

##### Eye / face protection:

Depending on the use of this product, safety glasses or goggles may be worn.

If necessary, refer to US OSHA 29CFR SS1910.133, Canadian standard or the European Standard EN 166.

Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

##### Skin and body protection:

If anticipated that prolonged and repeated skin contact will occur during use of this product, wear gloves for routine industrial use.

If necessary, refer to US OSHA 29CFR SS1910.138 or the appropriate standards of Canada or the EC member states.

Wear suitable protective clothing.

##### Respiratory protection:

No special respiratory protection is required under typical circumstances of use or handling.

If necessary, use only respiratory protection authorized per US OSHA requirement in 29 CFR SS1910.134, or applicable US state regulations, or the appropriate standards of Canada, its provinces, or the EC member states.

VENTILATION: Local exhaust at processing equipment.

##### General hygiene:

Handle in accordance with good industrial hygiene and safety practice.

Wash thoroughly after handling.

Food, beverages and tobacco products should not be carried, stored, or consumed where this material is in use.

Wash hands thoroughly before eating, drinking, or smoking.

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## **Section 9 Physical and Chemical Properties**

Physical state	Powder
Appearance	Fine
Color	White
Odor	Faint odor in bulk
Odor threshold	Not determined
Flash point	577°F / 303°C
Flammability limits in air	
Upper explosion/flammability limit	Not established
Lower explosion/flammability limit	Not established
Self-ignition temperature	176°F / 80°C
Specific gravity	0

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## **Section 10: Stability and Reactivity**

##### Reactivity:

Not reactive under normal conditions

##### Chemical stability:

Stable under recommended storage conditions.

##### Possibility of hazardous reactions:

None under normal processing.

##### Hazardous polymerization:

Does not occur.

##### Incompatible materials:

Strong oxidizing agents.

##### Hazardous decomposition products:

Methacrylate monomer, oxides of carbon when burned.

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## Section 11: Toxicological Information

### Information on likely routes of exposures:

Product information:	This product has not been tested on animals to obtain toxicology data
• Inhalation:	Persons with impaired lung function or asthma-like conditions may experience additional breathing difficulties.
• Eye contact:	Avoid contact with eyes.
• Skin contact:	May be irritating to skin in some sensitive individuals, especially after prolonged or repeated contact.
• Ingestion:	Large amounts may cause nausea, headache, vomiting or diarrhea.
• Carcinogenicity:	Not classifiable as a human carcinogen (IARC group 3)

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

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## Section 12: Ecological Information

### Ecotoxicity:

There is no specific data available for this product; however, very large releases may be harmful or fatal to over exposed aquatic life.

Persistence and degradability:	Not determined
Bioaccumulation:	Not determined
Mobility:	Not determined
Other adverse effects:	Not determined

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## Section 13 Disposal Considerations

### **Waste treatment methods**

<u>Disposal of wastes:</u>	Follow all local and national government regulations in disposing material or contaminated packaging.
<u>Contaminated Packaging:</u>	For bulk only: Reuse of empty drums or containers is not recommended. Employees should be advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers in accordance with local and national government regulations.

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## Section 14: Transportation Information

<b>U.S. Department of Transportation Ground (DOT 49 CFR)</b>	<b>Not regulated</b>
<b>International Air Transportation (ICAO/IATA)</b>	<b>Not regulated</b>
<b>Water Transportation (IMO/IMDG)</b>	<b>Not regulated</b>

*The transport classification(s) provided herein are for information purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet (SDS). Transportation classifications may vary by mode of transportation, package size, and variations in regional or country regulations.*

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## Section 15: Regulatory Information

### International Inventories:

- |                                                                |        |
|----------------------------------------------------------------|--------|
| • DSL- Canadian Domestic Substances List:                      | Listed |
| • EINECS - European Inventory of Existing Chemical Substances: | Listed |

## **US Federal Regulations:**

### **SARA - Superfund Amendments and Reauthorization Act:**

Section 302 (extremely hazardous substances)	Substance is not listed
Section 311/312 (hazard categories)	Substance is not listed
Section 313 (specific toxic chemical listings)	Benzoyl peroxide (CAS 94-36-0) is listed

### **TSCA - Toxic Substances Control Act:**

ACTIVE

### **California Proposition 65:**

Substance is not listed

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## **Section 16: Other Information**

This Safety Data Sheet (SDS) is intended to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

### **Full text of other abbreviations**

ACGIH:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI:	ACGIH - Biological Exposure Indices (BEI)
NIOSH REL:	USA. NIOSH Recommended Exposure Limits
OSHA Z-1:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
OSHA Z-2:	USA. Occupational Exposure Limits (OSHA) - Table Z-2
US WEEL:	USA. Workplace Environmental Exposure Levels (WEEL)
ACGIH / TWA:	8-hour, time-weighted average
ACGIH / STEL:	Short-term exposure limit
NIOSH REL/TWA:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL/ST:	STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA:	8-hour time weighted average
OSHA Z-2/TWA:	8-hour time weighted average
OSHA Z-2/CEIL:	Acceptable ceiling concentration
OSHA Z-2/Peak:	Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift
US WEEL/TWA:	8-hr TWA

AICS - Australian Inventory of Chemical Substances;

AIIC - Australian Inventory of Industrial Chemicals;

ASTM - American Society for the Testing of Materials;

bw - Body weight;

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act;

CMR - Carcinogen, Mutagen or Reproductive Toxicant;

DIN - Standard of the German Institute for Standardization;

DOT - Department of Transportation;

DSL - Domestic Substances List (Canada);

ECx - Concentration associated with x% response;

EINECS - European Inventory of Existing Chemical Substances

EHS - Extremely Hazardous Substance;

ELx - Loading rate associated with x% response;

EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan);

ErCx - Concentration associated with x% growth rate response;

ERG - Emergency Response Guide;

GHS - Globally Harmonized System;

GLP - Good Laboratory Practice;

HMIS - Hazardous Materials Identification System;

IARC - International Agency for Research on Cancer;

IATA - International Air Transport Association;

IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;

IC50 - Half maximal inhibitory concentration;  
ICAO - International Civil Aviation Organization;  
IECSC - Inventory of Existing Chemical Substances in China;  
IMDG - International Maritime Dangerous Goods;  
IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan);  
ISO - International Organization for Standardization;  
KECI - Korea Existing Chemicals Inventory;  
LC50 - Lethal Concentration to 50 % of a test population;  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose);  
MARPOL - International Convention for the Prevention of Pollution from Ships;  
MSHA - Mine Safety and Health Administration;  
n.o.s. - Not Otherwise Specified;  
NFPA - National Fire Protection Association;  
NO(A)EC - No Observed (Adverse) Effect Concentration;  
NO(A)EL - No Observed (Adverse) Effect Level;  
NOELR - No Observable Effect Loading Rate;  
NTP - National Toxicology Program;  
NZIoC - New Zealand Inventory of Chemicals;  
OECD - Organization for Economic Co-operation and Development;  
OPPTS - Office of Chemical Safety and Pollution Prevention;  
PBT - Persistent, Bioaccumulative and Toxic substance;  
PICCS - Philippines Inventory of Chemicals and Chemical Substances;  
(Q)SAR - (Quantitative) Structure Activity Relationship;  
RCRA - Resource Conservation and Recovery Act;  
REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals;  
RQ - Reportable Quantity;  
SADT - Self-Accelerating Decomposition Temperature;  
SARA - Superfund Amendments and Reauthorization Act;  
SDS -Safety Data Sheet;  
TCSI - Taiwan Chemical Substance Inventory;  
TSCA - Toxic Substances Control Act (United States);  
UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods;  
vPvB - Very Persistent and Very Bioaccumulative

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#### **Disclaimer**

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