

# Safety Data Sheet: PR-121

Supersedes Date: Not applicable

Issuing Date: 04/20/2020

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** PR-121  
**Recommended use** Stripping solution  
**Information on Manufacturer**  
Partsmaster, Div of NCH Corp.  
P.O. Box 655326  
Dallas, TX 75265-5326

**Product Code:** 5449  
**Chemical nature** Solvent mixture  
**Emergency Telephone**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
800-336-0450

## 2. HAZARD IDENTIFICATION

**Color** Blue Green

**Physical state** Liquid

**Odor** Acetone

### GHS

#### Classification

##### Physical Hazards

Flammable Aerosols  
Gases under pressure

Category 1  
Dissolved gas

##### Health Hazard

Skin Corrosion/Irritation  
Serious Eye Damage/Eye Irritation  
Specific target organ systemic toxicity (single exposure)  
Specific target organ toxicity (repeated exposure)

Category 2  
Category 1  
Category 3  
Category 1

##### Other hazards

None

### Labeling

#### Signal Word

DANGER



#### Hazard statements

H222 - Extremely flammable aerosol  
H336 - May cause drowsiness or dizziness  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H372 - Causes damage to organs through prolonged or repeated exposure  
H280 - Contains gas under pressure; may explode if heated

#### Precautionary Statements

P210 - Keep away from heat, sparks, open flames or hot surfaces.  
P211 - Do not spray on an open flame or other ignition source  
P251 - Pressurized container: Do not pierce or burn, even after use  
P280 - Wear protective gloves, protective clothing, eye protection and face protection.  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P260 - Do not breathe vapors, mist or gas  
P270 - Do not eat, drink or smoke when using this product  
P271 - Use in a well-ventilated area.  
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312 - Call a physician if unwell.  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs, get medical attention.  
P362 - Take off contaminated clothing and wash before reuse.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a physician.  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.  
P501 - Dispose of contents and container in accordance with applicable regulations

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical name                         | CAS No.    | Weight-% |
|---------------------------------------|------------|----------|
| Acetone                               | 67-64-1    | 15-40    |
| 1,3-Dioxolane                         | 646-06-0   | 15-40    |
| Petroleum gases, liquified, sweetened | 68476-86-8 | 10-30    |
| Ethanolamine                          | 141-43-5   | 3-7      |

\*The exact percentage (concentration) of composition has been withheld as a trade secret

#### 4. FIRST AID MEASURES

|                           |                                                                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>     | Do not get in eyes, on skin or on clothing. Do not breathe vapors, mist or gas.                                                                                                                                 |
| <b>Eye Contact</b>        | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.                                     |
| <b>Skin Contact</b>       | Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use. |
| <b>Inhalation</b>         | Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial artificial respiration. Get medical attention immediately.                                           |
| <b>Ingestion</b>          | No hazards which require special first aid measures.                                                                                                                                                            |
| <b>Notes to physician</b> | Treat symptomatically. The product causes burns of eyes, skin and mucous membranes.                                                                                                                             |

#### 5. FIRE-FIGHTING MEASURES

|                                                              |                                                                                                                                                                                        |                       |                          |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|
| <b>Flash Point</b>                                           | No information available.                                                                                                                                                              | <b>Method</b>         | No data available        |
| <b>Flammability Limits in Air %:</b>                         | Mixture.                                                                                                                                                                               | <b>Upper:</b>         | 12.8                     |
| <b>Suitable Extinguishing Media</b>                          | Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.            | <b>Lower:</b>         | 1.9                      |
| <b>Specific hazards arising from the chemical</b>            | Extremely flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: >30 inches / >76 cm and Burnback: 2 inch / 4 cm. |                       |                          |
| <b>Protective Equipment and Precautions for Firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.                                                      |                       |                          |
| <b>Aerosol Level (NFPA 30B) -</b>                            | 3                                                                                                                                                                                      |                       |                          |
| <b>NFPA</b>                                                  | <b>Health</b> 3                                                                                                                                                                        | <b>Flammability</b> 4 | <b>Instability</b> 0     |
| <b>HMIS -</b>                                                | <b>Health</b> 3                                                                                                                                                                        | <b>Flammability</b> 4 | <b>Physical Hazard</b> 0 |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                  |                                                                                                                                                                                                                             |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Precautions</b>      | Use personal protective equipment. Ensure adequate ventilation. Take precautionary measures against static discharges. Remove all sources of ignition. Material can create slippery conditions.                             |
| <b>Environmental precautions</b> | Do not flush into surface water or sanitary sewer system.                                                                                                                                                                   |
| <b>Methods for Containment</b>   | Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). |
| <b>Methods for Cleaning Up</b>   | Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.                                                                                                             |
| <b>Neutralizing Agent</b>        | Not applicable.                                                                                                                                                                                                             |

#### 7. HANDLING AND STORAGE

|                            |                                                                                                                                                    |              |                |                                   |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------|-----------------------------------|
| <b>Handling</b>            | Do not get in eyes, on skin or on clothing. Do not breathe vapors, mist or gas. Keep away from open flames, hot surfaces and sources of ignition.  |              |                |                                   |
| <b>Storage</b>             | Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. |              |                |                                   |
| <b>Storage Temperature</b> | <b>Minimum</b>                                                                                                                                     | 35 °F / 2 °C | <b>Maximum</b> | 120 °F / 49 °C                    |
| <b>Storage Conditions</b>  | <b>Indoor</b>                                                                                                                                      | X            | <b>Outdoor</b> | <b>Heated</b> <b>Refrigerated</b> |

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Exposure Guidelines

| Chemical name | ACGIH TLV                     | OSHA PEL                                     | NIOSH                                                  |
|---------------|-------------------------------|----------------------------------------------|--------------------------------------------------------|
| Acetone       | TWA: 250 ppm<br>STEL: 500 ppm | TWA: 1000 ppm<br>TWA: 2400 mg/m <sup>3</sup> | 2500 ppm<br>TWA: 250 ppm<br>TWA: 590 mg/m <sup>3</sup> |
| 1,3-Dioxolane | TWA: 20 ppm                   | No data available                            | No data available                                      |
| Ethanolamine  | TWA: 3 ppm<br>STEL: 6 ppm     | TWA: 3 ppm<br>TWA: 6 mg/m <sup>3</sup>       | 30 ppm<br>STEL 6 ppm                                   |

|                                       |                                                                                                                                                                                      |  |                                                                     |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------|
|                                       |                                                                                                                                                                                      |  | STEL 15 mg/m <sup>3</sup><br>TWA: 3 ppm<br>TWA: 8 mg/m <sup>3</sup> |
| <b>Engineering Measures</b>           | Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. |  |                                                                     |
| <b>Personal Protective Equipment</b>  |                                                                                                                                                                                      |  |                                                                     |
| <b>Eye/Face Protection</b>            | Tightly fitting safety goggles. Face-shield.                                                                                                                                         |  |                                                                     |
| <b>Skin Protection</b>                | For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.                                                                                       |  |                                                                     |
| <b>Respiratory Protection</b>         | In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.      |  |                                                                     |
| <b>General Hygiene Considerations</b> | Wear protective gloves/clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.         |  |                                                                     |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                      |                           |                                  |                          |
|--------------------------------------|---------------------------|----------------------------------|--------------------------|
| <b>Physical state</b>                | Liquid                    | <b>Viscosity</b>                 | 100 cps                  |
| <b>Color</b>                         | Blue Green                | <b>Odor</b>                      | Acetone                  |
| <b>Odor Threshold</b>                | Not applicable            | <b>Appearance</b>                | Opaque                   |
| <b>pH</b>                            | Not applicable            | <b>Specific Gravity</b>          | 0.960                    |
| <b>Evaporation Rate</b>              | No data available         | <b>Percent Volatile (Volume)</b> | 81.5                     |
| <b>VOC Content (%)</b>               | 49.5                      | <b>VOC Content (g/L)</b>         | 475                      |
| <b>Vapor pressure</b>                | No data available         | <b>Vapor Density</b>             | No information available |
| <b>Solubility</b>                    | Soluble                   | <b>n-Octanol/Water Partition</b> | No data available        |
| <b>Melting Point/Range</b>           | No data available         | <b>Decomposition Temperature</b> | No data available        |
| <b>Boiling Point/Range</b>           | Not applicable            | <b>Flammability (solid, gas)</b> | No data available        |
| <b>Flash Point</b>                   | No information available. | <b>Method</b>                    | No data available        |
| <b>Autoignition Temperature</b>      | No information available. |                                  |                          |
| <b>Flammability Limits in Air %:</b> | Mixture                   | <b>Upper: 12.8 Lower: 1.9</b>    |                          |

## 10. STABILITY AND REACTIVITY

|                                           |                                                                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Chemical Stability</b>                 | Stable. Hazardous polymerization does not occur.                                                                              |
| <b>Conditions to Avoid</b>                | Keep away from open flames, hot surfaces, and sources of ignition. Protect from direct sunlight and extremes of temperatures. |
| <b>Incompatible Products</b>              | Strong acids.                                                                                                                 |
| <b>Decomposition Temperature</b>          | No data available                                                                                                             |
| <b>Hazardous Decomposition Products</b>   | Carbon oxides.                                                                                                                |
| <b>Possibility of Hazardous Reactions</b> | None under normal processing.                                                                                                 |

## 11. TOXICOLOGICAL INFORMATION

|                                                                                     |                                                                                                   |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Product Information</b>                                                          | No information available.                                                                         |
| <b>The following values are calculated based on chapter 3.1 of the GHS document</b> |                                                                                                   |
| <b>Oral LD50</b>                                                                    | No information available                                                                          |
| <b>Dermal LD50</b>                                                                  | No information available                                                                          |
| <b>Inhalation LC50</b>                                                              |                                                                                                   |
| <b>Gas</b>                                                                          | No information available                                                                          |
| <b>Mist</b>                                                                         | No information available                                                                          |
| <b>Vapor</b>                                                                        | No information available                                                                          |
| <b>Principle Route of Exposure</b>                                                  | Skin contact, Inhalation, Eye contact.                                                            |
| <b>Primary Routes of Entry</b>                                                      | Skin contact, Eye contact, Inhalation, Ingestion.                                                 |
| <b>Acute Effects:</b>                                                               |                                                                                                   |
| <b>Eyes</b>                                                                         | Causes serious eye damage.                                                                        |
| <b>Skin</b>                                                                         | Causes skin irritation.                                                                           |
| <b>Inhalation</b>                                                                   | May cause drowsiness and dizziness.                                                               |
| <b>Ingestion</b>                                                                    | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.                   |
| <b>Chronic Toxicity</b>                                                             | May cause damage to organs through prolonged or repeated exposure.                                |
| <b>Target Organ Effects:</b>                                                        | Central Nervous System, Respiratory system, Skin, Eyes, Liver, Kidney.                            |
| <b>Aggravated Medical Conditions</b>                                                | Neurological disorders, Respiratory disorders, Skin disorders, Liver disorders, Kidney disorders. |

### Component Information

#### Acute Toxicity

| Chemical name             | Oral LD50            | Dermal LD50                                                             | Inhalation LC50                                                    | Draize Test       | Other             |
|---------------------------|----------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------|-------------------|
| Acetone<br>67-64-1        | = 5800 mg/kg ( Rat ) | > 15700 mg/kg ( Rabbit )                                                | = 50100 mg/m <sup>3</sup> ( Rat ) 8 h                              | No data available | No data available |
| 1,3-Dioxolane<br>646-06-0 | = 3 g/kg ( Rat )     | = 15 g/kg ( Rat ) = 8480<br>µL/kg ( Rabbit ) = 8480<br>mg/kg ( Rabbit ) | = 20650 mg/m <sup>3</sup> ( Rat ) 4 h<br>h = 68.4 mg/L ( Rat ) 4 h | No data available | No data available |

|                          |                      |                                                 |                   |                   |                   |
|--------------------------|----------------------|-------------------------------------------------|-------------------|-------------------|-------------------|
| Ethanolamine<br>141-43-5 | = 1720 mg/kg ( Rat ) | = 1 mL/kg ( Rabbit ) =<br>1000 mg/kg ( Rabbit ) | No data available | No data available | No data available |
|--------------------------|----------------------|-------------------------------------------------|-------------------|-------------------|-------------------|

**Chronic Toxicity**

| Chemical name            | Mutagenicity      | Sensitization     | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects                                   |
|--------------------------|-------------------|-------------------|------------------------|-----------------------|--------------------------------------------------------|
| Acetone<br>67-64-1       | No data available | No data available | No data available      | No data available     | Skin; Central nervous system; Eyes; Respiratory system |
| Ethanolamine<br>141-43-5 | No data available | No data available | No data available      | No data available     | Skin; Central nervous system; Eyes; Respiratory system |

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name      | ACGIH | IARC           | NTP            | OSHA           | Other          |
|--------------------|-------|----------------|----------------|----------------|----------------|
| Acetone<br>67-64-1 | A4    | Not applicable | Not applicable | Not applicable | Not applicable |

**12. ECOLOGICAL INFORMATION****Product Information**

No information available.

**Additional Ecological Information:** No information available**Component Information**

| Chemical name                         | Toxicity to Algae                              | Toxicity to Fish                                                                                                                                                                                                                    | Microtox                                                                 | Crustacea                                                                                                     | Partition coefficient |
|---------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------|
| Acetone                               | No information available.                      | LC50 4.74 - 6.33 mL/L<br>Oncorhynchus mykiss 96 h<br>LC50 6210 - 8120 mg/L Pimephales promelas 96 h<br>LC50 = 8300 mg/L Lepomis macrochirus 96 h                                                                                    | EC50 = 14500 mg/L 15 min                                                 | 12600 - 12700: 48 h<br>Daphnia magna mg/L<br>EC50<br>10294 - 17704: 48 h<br>Daphnia magna mg/L<br>EC50 Static | -0.24                 |
| 1,3-Dioxolane                         | No information available.                      | No information available.                                                                                                                                                                                                           | No information available                                                 | No information available.                                                                                     | -0.37                 |
| Petroleum gases, liquified, sweetened | No information available.                      | No information available.                                                                                                                                                                                                           | No information available                                                 | No information available.                                                                                     | 2.8                   |
| Ethanolamine                          | EC50 = 15 mg/L<br>Desmodesmus subspicatus 72 h | LC50 = 227 mg/L Pimephales promelas 96 h<br>LC50 = 3684 mg/L Brachydanio rerio 96 h<br>LC50 114 - 196 mg/L<br>Oncorhynchus mykiss 96 h<br>LC50 300 - 1000 mg/L Lepomis macrochirus 96 h<br>LC50 > 200 mg/L Oncorhynchus mykiss 96 h | EC50 = 110 mg/L 17 h<br>EC50 = 12200 mg/L 2 h<br>EC50 = 13.7 mg/L 30 min | 65: 48 h Daphnia magna mg/L EC50                                                                              | -1.91                 |

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

**13. DISPOSAL CONSIDERATIONS****Product Disposal**

Dispose of in accordance with local regulations.

**Container Disposal**

Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal. Do not re-use empty containers.

**14. TRANSPORT INFORMATION****DOT****Proper Shipping Name**

AEROSOLS, FLAMMABLE

**Hazard Class**

2.1

**UN-No**

UN1950

**Description**

UN1950, AEROSOLS, FLAMMABLE, 2.1 LTD QTY

**TDG****Proper shipping name**

AEROSOLS, FLAMMABLE

**Hazard Class**

2.1

**UN-No**

UN1950

**Description**

UN1950, AEROSOLS, FLAMMABLE, 2.1 LTD QTY

**ICAO**

UN-No UN1950  
 Proper Shipping Name AEROSOLS, FLAMMABLE  
 Hazard Class 2.1  
 Shipping Description UN1950, AEROSOLS, FLAMMABLE, 2.1 LTD QTY

**IATA**

UN-No UN1950  
 Proper Shipping Name AEROSOLS, FLAMMABLE  
 Hazard Class 2.1  
 Shipping Description UN1950, AEROSOLS, FLAMMABLE, 2.1 LTD QTY

**IMDG/IMO**

UN proper shipping name AEROSOLS, FLAMMABLE  
 Hazard Class 2.1  
 UN Number UN1950  
 Description UN1950, AEROSOLS, FLAMMABLE, 2.1 LTD QTY

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**Inventories**

TSCA Complies  
 DSL Complies

**U.S. Federal Regulations****SARA 313**

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

**SARA 311/312 Hazardous Categorization**

See Section 2

**CERCLA**

| Chemical name | Hazardous Substances RQs | CERCLA EHS RQs |
|---------------|--------------------------|----------------|
| Acetone       | 5000 lb                  | Not applicable |

**U.S. State Regulations**

**California Proposition 65** This product does not contain any Proposition 65 chemicals.

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

Prepared By Pamela Starkey  
 Supersedes Date: Not applicable  
 Issuing Date: 04/20/2020  
 Reason for Revision No information available.  
 Glossary No information available.  
 List of References. No information available.

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