

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: PC076  
Chemical Name: PLATINUM DIVINYL COMPLEX 1.0 - 1.5%  
Chemical Family: Catalyst  
CAS Number: 68478-92-2



### Company Identification

United Chemical Technologies, Inc.  
2731 Bartram Road  
Bristol, PA 29303 USA  
(215) 781-9255 (For product information)  
(800) 541-0559 (For emergencies)  
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

### **SPECIAL NOTES:**

This Product is Listed on the TSCA Inventory.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### **COMPONENT LISTING:**

| Chemical Name | Amount  | CAS Number |
|---------------|---------|------------|
| PC076         | 100.0 % | 68478-92-2 |

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

## 3. HAZARDS IDENTIFICATION

### **EMERGENCY OVERVIEW:**

MILD IRRITANT, A SMALL PERCENTAGE OF THE POPULATION MAY SHOW A SENSITIZATION TO PLATINUM METAL AND IT'S SALTS.

### **HMIS Rating:**

Health - 1  
Flammability - 1  
Reactivity - 0  
Personal Protection Index - J

**NFPA Rating:**

Health - 1  
Flammability - 1  
Reactivity - 0

**POTENTIAL HEALTH EFFECTS**

**EYE:**

Causes eye irritation.

**SKIN:**

Can cause moderate skin irritation.

**INHALATION:**

Causes respiratory tract irritation.

**INGESTION:**

Not considered a route of entry.

**SIGNS AND SYMPTOMS OF EXPOSURE:**

Direct contact with the product may irritate eyes, skin, or mouth.

**CHRONIC EFFECTS:**

UNKNOWN.

**SUBCHRONIC EFFECTS:**

UNKNOWN.

**REPRODUCTIVE HAZARDS:**

NONE KNOWN.

**CARCINOGENICITY INFORMATION:**

UNKNOWN.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

Preclude from exposure those individuals having a history of respiratory illness or pre-existing eye or skin condition.

**MISCELLANEOUS:**

A small portion of the population has been identified as having allergic reactions to platinum metal or salts.

## 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

**SKIN CONTACT FIRST AID:**

Immediately flush skin with plenty of water for at least 15 minutes then wash soap and water. Get medical attention if irritation develops or persists.

**INHALATION FIRST AID:**

If inhaled, remove to fresh air. If irritation continues get immediate medical attention.

**INGESTION FIRST AID:**

If swallowed, induce vomiting immediately only if directed by medical personnel. Get medical attention immediately. Never give fluids or induce vomiting if exposed patient is unconscious or having convulsions.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES**

PMCC Flash Point: 30.0 C (86.0 F)

Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A

UEL: N/A

**FLAMMABLE PROPERTIES:**

Can burn in fire forming carbon dioxide and some carbon monoxide.

**EXTINGUISHING MEDIA:**

Use foam, carbon dioxide, dry chemical or water spray when fighting fires involving this material.

**FIRE & EXPLOSION HAZARDS:**

Not considered to be an explosion hazard.

**FIRE FIGHTING INSTRUCTIONS:**

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray.

**COMBUSTION PRODUCTS:**

Thermal decomposition generate oxides of carbon.

## 6. ACCIDENTAL RELEASE MEASURES

**SAFEGUARDS (PERSONNEL):**

Ventilate spill area. Evacuate non-emergency personnel to a safe area. Wear appropriate personal protective equipment.

**INITIAL CONTAINMENT:**

Absorb spills with inert material.

**LARGE SPILLS PROCEDURE:**

Contain spilled material. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Clean up spills immediately, observing precautions in Protective Equipment section.

**SMALL SPILLS PROCEDURE:**

Absorb spills with inert material, then place in a chemical waste container.

**MISCELLANEOUS:**

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

## 7. HANDLING AND STORAGE

**SHELF LIFE: (in original, sealed containers)**

6 months @ 15 C

**HANDLING (PERSONNEL):**

Avoid contact with eyes, skin and lungs.

**HANDLING (PHYSICAL ASPECTS):**

Keep in a tightly closed container, store in a cool, dry, ventilated area.

**STORAGE PRECAUTIONS:**

Keep under a nitrogen blanket. Purge container with nitrogen before resealing.

**SPECIAL SENSITIVITY:**

AVOID CONTACT WITH EYES, SKIN AND LUNGS.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**EYE / FACE PROTECTION REQUIREMENTS:**

When splashing of the material may occur, chemical goggles and a face shield are recommended.

**SKIN PROTECTION REQUIREMENTS:**

Wear protective gloves to minimize skin contamination. Wash hands thoroughly after handling.

**RESPIRATORY PROTECTION REQUIREMENTS:**

Where a fume hood is not available a respiratory protection program that meets OSHA's 29 CFR 1910-134 and ANSI Z88-2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**MISCELLANEOUS:**

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29 CFR 1910.132) be conducted before using this product.

**EXPOSURE GUIDELINES:**

No Information Available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                         |                            |
|-------------------------|----------------------------|
| FORM:                   | Liquid                     |
| COLOR:                  | Clear to light straw color |
| ODOR:                   | Characteristic             |
| BOILING POINT:          | >200 C @ 760 mm Hg         |
| VAPOR PRESSURE:         | 7 mm Hg @ 21 ° C           |
| VAPOR DENSITY:          | 3.7 (Air = 1)              |
| SOLUBILITY IN WATER:    | Insoluble                  |
| SPECIFIC GRAVITY:       | 0.984 (Water = 1)          |
| MELTING/FREEZING POINT: | 12 ° - 13 ° C              |
| VISCOSITY:              | ~ 1000 centistokes         |

## 10. STABILITY AND REACTIVITY

### STABILITY:

This product is stable.

### POLYMERIZATION:

Hazardous polymerization will not occur.

### INCOMPATIBILITY WITH OTHER MATERIALS:

Acids, bases, oxidizing agents, alkali metals, reducing agents.

### DECOMPOSITION:

Carbon Monoxide, Silica, Platinum Oxides, Silicon Dioxide, Formaldehyde.

### CONDITIONS TO AVOID:

Carbon Monoxide, Silica, Platinum Oxides, Silicon Dioxide, Formaldehyde.

## 11. TOXICOLOGICAL INFORMATION

### EYE EFFECTS:

Causes burning, redness, and tearing of the eyes.

### SKIN EFFECTS:

Avoid contact. Possible sensitizer.

### ACUTE ORAL EFFECTS:

Not available.

### ACUTE INHALATION EFFECTS:

Avoid Inhalation.

### SUBCHRONIC EFFECTS:

To the best of our knowledge the toxicological properties of this product have not been fully investigated.

### REPRODUCTION AND BIRTH EFFECTS:

To the best of our knowledge reproduction and birth defects effects have not been determined.

### CHRONIC EFFECTS /:

A SMALL PERCENTAGE OF THE POPULATION MAY SHOW A SENSITIZATION TO PLATINUM METAL AND IT'S SALTS.

**GENETIC TOXICITY:**

To the best of our knowledge the genetic properties of this product have not been fully investigated.

**MISCELLANEOUS:**

To the best of our knowledge the toxicological properties of this product have not been fully investigated.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:**

No information available.

**ENVIRONMENTAL FATE:**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:**

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Incineration is recommended.

Additionally, waste generators must consult with their waste broker, state, and local hazardous waste regulations to ensure complete and accurate classification.

US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.

Consult your local or regional authorities.

**CONTAMINATED MATERIALS:**

Consult with your waste broker or your local, regional authorities.

**CONTAINER DISPOSAL:**

Consult with your waste broker or your local, regional authorities.

## 14. TRANSPORTATION INFORMATION

|                       |                            |
|-----------------------|----------------------------|
| PRODUCT LABEL:        | PC076                      |
| D.O.T. SHIPPING NAME: | Flammable Liquids, N. O. S |
| D.O.T. HAZARD CLASS:  | 3                          |
| UN NUMBER:            | 1219                       |
| PACKAGE CLASS:        | PG:II                      |

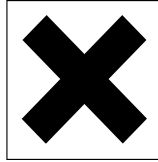
## 15. REGULATORY INFORMATION

**REGULATORY DISCLOSURES:**

THIS PRODUCT OR ALL OF IT'S COMPONENTS ARE LISTED ON THE TSCA INVENTORY.

**EEC Symbols and Indications of Danger:**

Irritant (Xi)



**R-Phrases:**

R36/37/38 - Irritating to eyes, respiratory system, and skin.

**S-Phrases:**

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 - After contact with skin, wash immediately with plenty of soap and water.

S36/37/39 - Wear suitable protective clothing, gloves, and eye/face protection.

**WHMIS Hazard Symbols:**

None

**MISCELLANEOUS INFORMATION:**

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

**16. OTHER INFORMATION**

|                   |                               |
|-------------------|-------------------------------|
| REASON FOR ISSUE: | Revision                      |
| PREPARED BY:      | ENVIRONMENTAL HEALTH & SAFETY |
| APPROVED BY:      | N/A                           |
| TITLE:            | Corp. Dir. EH&S               |
| APPROVAL DATE:    | DRAFT COPY                    |
| SUPERCEDES DATE:  | March 4, 2003                 |

**REVISION STATEMENT:**

2nd Approval S.V.

**ADDITIONAL INFORMATION:**

It does not relate to use in combination with any other material or in any process.

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**END OF MSDS**

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