

Hazard Statements

- H303** May be harmful if swallowed
- H313** May be harmful if contact with skin
- H320** Causes eye irritation
- H333** May be harmful if inhaled
- H335** May cause respiratory irritation

Precautionary Statements

- P261** Avoid breathing dust
- P264** Wash skin thoroughly after handling
- P280** Wear protective gloves/clothing/eye protection

Response Phases:

P301 & P312 & P330 IF SWALLOWED: rinse mouth with water and call a POISON CENTER or doctor if you feel unwell.

P304 & P312 & P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing, call a POISON CENTER or doctor if you feel unwell.

P305 & P351 & P338: IF IN EYES: Rinse cautiously with water for several minutes.

P314: Get medical attention if you feel unwell.

P333 & P313: IF SKIN irritation or rash occurs: get medical advice/attention.

P377 & P313: IF EYE irritation persists: Get medical advice/attention.

P501: Dispose of contents/container in accordance with local, regional, national, international regulations as specified.

2.3 Potential Adverse Human Health Effects

EYE: May cause eye irritation

SKIN: May cause skin irritation

INGESTION: May be harmful if swallowed

INHALATION: May be harmful if inhaled

To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Product Name:	Anthraquinone-C2-dT CEP
CAS Number:	None assigned
Chemical Formula:	C ₅₉ H ₆₁ N ₆ O ₁₂ P
Molecular Weight:	1077.12

Section 4. FIRST AID MEASURES

4.1 Description of First Aid Measures

In case of inhalation: Move to fresh air. Get medical attention if symptoms occur.

In case of skin contact: Wash skin with soap and water.

In case of eye contact: Immediately flush eyes with water for at least 15 minutes.
Get medical attention if symptoms occur.

Section 5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: Solid water stream may be inefficient.

5.2 Flammable Properties/Hazards: Not data available

5.3 Advice for firefighters: Wear self-contained breathing apparatus if necessary and full protective gear to prevent contact with skin and eyes

Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Protective Precautions, Protective Equipment and Emergency Procedures

Avoid raising and breathing dust, provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus and appropriate personal protection (safety goggles, heavy rubber gloves and rubber boots).

6.2 Environmental Precautions

Take measures to avoid release into the environment, do not let product enter drains.

6.3 Methods/Materials for Containment and Clean-up

Contain spill and collect as appropriate. Transfer to chemical waste container in accordance with local regulations.

Section 7. HANDLING AND STORAGE

7.1 Precautions for Handling

Provide appropriate exhaust ventilation for dust, fume, gas, mist, vapors and spray.
Avoid prolonged or repeated exposure. Wash thoroughly after handling.

7.2 Precautions for Storage

Keep container tightly closed and in a dry, well-ventilated area.

Section 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Components with workplace control parameters: No data available.

8.2 Exposure Controls

8.2.1 Engineering Controls: Use industrial hygiene practices to control hazardous materials.

8.2.2 Personal Protective Equipment:

Eye Protection: Safety glasses

Hand Protection: Chemical-resistant gloves

Respiratory Protection: NIOSH approved respirator, as conditions warrant.

Environmental exposure controls: Do not let material enter drains.

Work/Hygienic/Maintenance Practices: Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance: Yellow foam

Odor: No data available

Melting Point: No data available

Boiling Point: No data available

Flash Point: No data available

Evaporation Rate: No data available

Flammability: No data available

Explosive Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: No data available

Water Solubility: No data available

Autoignition Point: No data available

Decomposition Temperature: No data available

Viscosity: No data available

Explosive Properties: No data available

Oxidizing Properties: No data available

9.2 Other Information

Percent Volatile: No data available

Chemical Formula: $C_{59}H_{61}N_6O_{12}P$

Molecular Weight: 1077.12

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity: Stable

10.2 Stability: Stable under recommended storage conditions: - 20 °C, Dark

10.3 Possibility of Hazardous Reactions: No data available

10.4 Conditions to avoid: No data available

10.5 Incompatible Materials: No data available

10.6 Hazardous Decomposition Products: No data available

Section 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

To the best of our knowledge, the chemical, physical and toxicological properties of this compound have not been thoroughly investigated.

Acute Toxicity: No data available

Inhalation: No data available

Dermal: No data available

Skin Corrosion/irritation: No data available

Serious Eye Damage/Eye Irritation: No data available

Respiratory or Skin Sensitization: No data available

Germ Cell Mutagenicity: No data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or known carcinogen by OSHA.

Reproductive Toxicity: No data available

Specific Target Organ Toxicity - Single Exposure: No data available

Specific Target Organ Toxicity - Repeated Exposure: No data available

Aspiration Toxicity: No data available

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data available

12.2 Persistence and Degradability: No data available

12.3 Bioaccumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB Assessment: No data available

Section 13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Method: Dispose in accordance with local, state and federal regulations.

Section 14. TRANSPORT INFORMATION

Shipping Name: Anthraquinone-C2-dT CEP

UN Number: Not applicable

DG Class: Not applicable

CAS Number: None assigned

Section 15. REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA hazards.

Section 16. OTHER INFORMATION

Print Date: 12/28/2015

The Information in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Safety Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Users should make independent decisions regarding completeness of information based on all sources available. Berry & Associates, Inc. shall not be held liable for any damage resulting from handling or contact with the above product.