

# Safety Data Sheet

Revision: 02/09/2014

Hazard information is provided for compliance with both the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) and the UK Chemicals (Hazard Information and Packaging) (CHIP) Regulations

## IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**PRODUCT NAME:**  
Cyclofos-2, Anagrade

**PRODUCT CODE:**  
C508

### SUPPLIER:

Anatrace Products, LLC. 434 West Dussel Drive, Maumee, OH 43537 Phone: (419) 740-6600  
Please visit our website at for contact information on Anatrace product distributors within your area.

### Emergency Contact:

Chemtrec (800) 424-9300  
Outside USA & Canada (703) 527- 3887  
Chemtrec ID# 696910

## HAZARDS IDENTIFICATION

### GHS

Harmful

### LABEL ELEMENTS

#### **Hazard statements**

H302 + H312 + H332 Harmful if swallowed, in contact with skin, or inhaled  
H315 + H320 + H335 Irritating to eyes, respiratory system, and skin.

#### **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P501 Dispose of contents/containers to an approved disposal plant.

### CHIP

Harmful

#### **R & S phrases**

R:36/37/38 Irritating to eyes, respiratory system and skin.  
S:22 Do not breathe dust.  
S:24 Avoid contact with skin.  
S:36/37 Wear suitable protective clothing and gloves

## COMPOSITION/INFORMATION ON INGREDIENTS

### HAZARD

Cyclofos-2, Anagrade

### CAS NO.

823796-65-2

### EC NO:

NA

### %WT

~100%

### SYNONYMS

2-Cyclohexyl-1-Ethylphosphocholine

## FIRST-AID MEASURES

In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.  
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.  
If swallowed, wash out mouth with water provided person is conscious.  
Call a Physician.  
Wash contaminated clothing before reuse.

## FIRE-FIGHTING INFORMATION

### Extinguishing Media

Water spray.  
Carbon dioxide, dry chemical powder or appropriate foam.

### Special firefighting procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### Unusual fire and explosions hazards

Emits toxic fumes under fire conditions.

## ACCIDENTAL RELEASE MEASURES

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.  
Sweep up, place in a bag and hold for waste disposal.  
Avoid raising dust.  
Ventilate area and wash spill site after material pickup is complete.

## HANDLING AND STORAGE

Refer to "Personal Protection" section.

## PERSONAL PROTECTION

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.  
Safety shower and eye bath.  
Use only in a chemical fume hood.  
Wash thoroughly after handling.

**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Solid  
Vapor Pressure: No data available  
Solubility (Water): Suspension (Chloroform): Soluble (Methylene Chloride): Soluble  
Specific Gravity: No data available  
Evaporation Rate: No data available  
Melting Point: No data available  
Boiling Point: No data available  
Vapor Density: No data available  
Percent Volatile: No data available  
Chemical Formula: C<sub>13</sub>H<sub>28</sub>NO<sub>4</sub>P

**STABILITY AND REACTIVITY**

Stability: Stable.  
Incompatibilities: Strong oxidizing agents  
Hazardous combustion or decomposition products  
Toxic fumes of:  
Carbon monoxides, carbon dioxide  
Nitrogen oxides  
Phosphorous oxides  
Hazardous polymerization: Will not occur.

**TOXOLOGICAL INFORMATION**

Acute effects  
Harmful if swallowed, inhaled, or absorbed through skin.  
Causes eye and skin irritation.  
Material is irritating to mucous membranes and upper respiratory tract.  
To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

**ECOLOGICAL INFORMATION**

Data not yet available.

**DISPOSAL CONSIDERATIONS**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local environmental regulations.

**TRANSPORTATION INFORMATION**

Observe all federal, state, and local laws.

**REGULATORY INFORMATION**

Observe all federal, state, and local laws.

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