



# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 20.01.2009

Revision: 12.01.2009

## 1 Identification of the substance/preparation and of the company/undertaking

Product name: **Colamine phosphate**  
Synonyms: 2-Aminoethyl dihydrogen phosphate; Ethanolamine O-phosphate; O-Phosphorylethanolamine  
Application of the substance/the preparation: Chemical speciality  
Manufacturer/Supplier: VUP, a.s.  
Nábrežná 4  
971 04 Prievidza, Slovakia  
Tel: 00421-46-5430841  
Fax: 00421-46-5430261  
E-mail: kbu@vupas.sk

## 2 Hazards identification

### Hazard description:



C Corrosive

### Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 34 Causes burns.

### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

## 3 Composition/information on ingredients

Name	CAS	%	EINECS
Colamine phosphate	1071-23-4	95	213-988-5

## 4 First aid measures

### After eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

### After skin contact:

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

### After ingestion:

Get medical aid immediately. Do not induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

### After inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

### Notes to physician:

Treat symptomatically and supportively.

(Contd. on page 2)

Printing date: 20..01.2009

Revision: 12. 01. 2009

Product name: **Colamine phosphate**

(Contd. of page 1)

### **5 Fire-fighting measures**

**General information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing media:**

Use water spray, dry chemical, carbon dioxide, or chemical foam.

### **6 Accidental release measures**

**General information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Vacuum or sweep up material and place into a suitable disposal container.

### **7 Handling and storage**

**Handling:**

Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

**Storage:**

Keep refrigerated. (Store below 4°C/39°F.) Store in a tightly closed container. Store in a dry area. Corrosives area.

### **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 adequate ventilation to keep airborne concentrations low.

**Personal protective equipment**

**Eyes:**

Wear chemical goggles.

**Skin:**

Wear appropriate protective gloves to prevent skin exposure..

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

(Contd. on page 3)

Printing date: 20..01.2009

Revision: 12. 01. 2009

Product name: **Colamine phosphate**

(Contd. of page 2)

### 9 Physical and chemical properties

Physical State:	Powder
Color:	White
Odor:	Not available.
pH:	Not available.
Vapor Pressure:	Not available.
Viscosity:	Not available.
Boiling Point:	Not available.
Freezing/Melting Point:	241-243 °C
Autoignition Temperature:	Not available.
Flash Point:	Not available.
Explosion Limits, lower:	Not available.
Explosion Limits, upper:	Not available.
Decomposition Temperature:	Not available.
Solubility in water:	Soluble
Specific Gravity/Density:	
Molecular Formula:	C <sub>2</sub> H <sub>8</sub> NO <sub>4</sub> P
Molecular Weight:	141.064 g/mol

### 10 Stability and reactivity

**Chemical stability:**

Not available.

**Conditions to avoid:**

Incompatible materials, exposure to moist air or water.

**Incompatibilities with other materials:**

Strong oxidizing agents.

**Hazardous decomposition products:**

Nitrogen oxides, carbon monoxide, oxides of phosphorus, carbon dioxide.

**Hazardous polymerization:**

Has not been reported.

### 11 Toxicological information

**Acute effects**

May be harmful by inhalation, ingestion, or skin absorption. Causes 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.

**RTECS#:** CAS# 1071-23-4: KJ5830000

LD50/LC50: Not available.

**Carcinogenicity:**

2-Aminoethyl dihydrogen phosphate -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

(Contd. of page 4)

Printing date: 20..01.2009

Revision: 12. 01. 2009

Product name: **Colamine phosphate**

(Contd. of page 3)

### 12 Ecological information

Data not yet available.

### 13 Disposal considerations

Dispose of in a manner consistent with federal, state, and local regulations.

### 14 Transport information

#### **RID/ADR**

UN Number: 3261  
Hazard Class: 8  
Packaging group: III  
Shipping Name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

#### **IMDG**

UN number: 3261  
Hazard class: 8  
Packaging group: III  
Shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

#### **IATA**

UN number: 3261  
Hazard class: 8  
Packaging group: III  
Shipping name: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.

### 15 Regulatory information

#### **European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols: C

Risk Phrases:

34 Causes burns.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 1071-23-4: No information available.

United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 1071-23-4 is listed on Canada's NDSL List.

CAS# 1071-23-4 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

US FEDERAL

TSCA

CAS# 1071-23-4 is listed on the TSCA inventory.

(Contd. on page 5)

**Safety Data Sheet**  
**according to 1907/2006/EC, Article 31**

Page 5/5

Printing date: 20..01.2009

Revision: 12. 01. 2009

Product name: **Colamine phosphate**

(Contd. of page 4)

**16 Other information**

This Safety Data Sheet is not a Product Specification. It is based on our present knowledge and experience and it is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.

*Explanation R-phrases*

34 Causes burns.