

## SAFETY DATA SHEET

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

#### 1.1 Product identifier

Product Nr. CL07.0605

Trade name Phosphomolybdic acid reagent

REACH A registration number is not available for this substance as the substance or its use are  
Registration exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the  
Number annual tonnage does not require a registration or the registration is envisaged for a later  
registration deadline.

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Reagent for analysis

In compliance with the conditions described in the annex to this safety data sheet.

#### 1.3 Information provided by AnalytiChem Belgium NV product service.

Responsible department: AnalytiChem Belgium NV

Industriezone "De Arend" 2

B-8210 Zedelgem

BELGIUM

Tel. +32 50 28 83 20 e-mail: info.be@analytichem.com

#### 1.4 Emergency telephone: 00 (32) 50.28.83.20

### 2. Hazard identification

#### 2.1 Classification of the substance or the mixture (EG 1272/2008)

Flammable liquid, Categorie 3, H226

Skin corrosion/irritation, Categorie 1A, H314

For the full text of H-sentences mentioned in this Section, see Section 16

For the full text of R-sentences mentioned in this Section, see Section 16

#### 2.2 GHS-Labeling

GHS-Labeling Labelling (REGULATION (EC) No 1272/2008) (EG 1272/2008)

Hazard pictograms:



Signal word:

Danger :

Hazard statements:

H226

Flammable liquid and vapour.

H314

Causes severe skin burns and eye damage.

Precautionary statements:

P280

Wear protective gloves, protective clothing, eye protection, face protection.

P301 + P330 + P331

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P307 + P311

IF exposed: Call a POISON CENTER or doctor/physician.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Reduced labelling  
Hazard pictograms:



Signal word:  
Danger :

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### **3. Composition / Information on ingredients.**

#### **3.1 Substance**

Not applicable

#### **3.2 Mixture**

Formula                      H3Mo12O40P.xH2O/CH3COOH/H2SO4

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### **4. First aid measures.**

#### **4.1 Description of first aid measures**

##### **General advice**

First-aid personnel: ensure self-protection!

After inhalation:

After contact with skin:

After contact with eyes:

After ingestion:

#### **4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

#### **4.3 Indication of any immediate medical attention and special treatment needed**

No data available

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### **5. Fire fighting measures.**

#### **5.1 Extinguishing media**

Suitable extinguishing media

Unsuitable extinguishing media

#### **5.2 Special hazards arising from substance or mixture**

### **5.3 Advice for firefighters**

### **5.4 Further information**

No data available

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## **6. Accidental release measures.**

### **6.1 Personal precautions, protective equipment and emergency procedures**

For personal protection see section 8.

### **6.2 Environmental precautions**

### **6.3 Methods and materials for containment and cleaning up**

### **6.4 Reference to other sections**

For disposal see section 13.

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## **7. Handling and storage.**

### **7.1 Precautions for safe handling**

For precautions see section 2.2

### **7.2 Conditions for safe storage, including any incompatibilities**

Recommended storage temperature see product label.

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## **8. Exposure controls - Personal protection.**

### **8.1 Control parameters**

### **8.2 Exposure controls**

#### **Engineering measures**

See section 7.1

#### **Individual protection measures**

#### **Respiratory protections**

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

#### **Eye protection**

#### **Hand protection**

#### **Body protection**

#### **Environmental exposure controls**

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## **9. Physical and chemical properties.**

### **9.1 Information on basic physical**

Appearance

Form:	Solid
Colour:	Yellow
Odour:	Odourless
<u>Changes in physical state</u>	
Melting Point:	78-90°C
Boiling point:	-
Flash point:	40°C
Self Ignation temperature:	-
Mol. Weight:	-
Density:	1,05 g/ml
pH value:	-
Solubility in water:	slightly soluble
Explosion limits:	

#### **9.2 Other data**

No further relevant information available.

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### **10. Stability and reactivity.**

#### **10.1 Reactivity**

See section 10.3

#### **10.2 Chemical stability**

No further relevant information available.

#### **10.3 Possibility of hazardous reactions**

#### **10.4 Conditions to avoid**

No further relevant information available.

#### **10.5 Incompatible materials**

No further relevant information available.

#### **10.6 Hazardous decomposition products**

No further relevant information available.

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### **11. Toxicological information.**

#### **11.1 Information on toxicological effects**

Acute oral toxicity

Acute inhalation toxicity

No further relevant information available.

Acute dermal toxicity

No further relevant information available.

Skin irritation

No further relevant information available.

Eye irritation

No further relevant information available.

Sensitisation

No further relevant information available.

Germ cell mutagenicity  
No further relevant information available.

Carcinogenicity  
No further relevant information available.

Reproductive toxicity  
No further relevant information available.

Teratogenicity  
No further relevant information available.

Specific target organ toxicity - single exposure  
No further relevant information available.

Specific target organ toxicity - repeated exposure  
No further relevant information available.

Aspiration hazard  
No further relevant information available.

#### **11.2 Further information**

No further relevant information available.

Further data:

Handle in accordance with good industrial hygiene and safety practice..

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### **12. Ecological information.**

#### **12.1 Toxicity**

No further relevant information available.

#### **12.2 Persistence and degradability**

No further relevant information available.

#### **12.3 Bioaccumulative potential**

No further relevant information available.

#### **12.4 Mobility in soil**

No further relevant information available.

#### **12.5 Results of PBT and vPvB assessment**

No further relevant information available.

#### **12.6 Other adverse effects**

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### **13. Disposal considerations.**

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### **14. Transport information.**

#### **Land Transport (ADR/RID)**

##### **14.1 UN number**

UN 2789

##### **14.2 Proper shipping name**

Acetic acid, glacial

##### **14.3 Class**

8 (3)

##### **14.4 Packing group**

II

##### **14.5 Environmentally hazardous**

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##### **14.6 Special precautions for user**

no

Tunnel restriction code

(D/E)

#### **Inland waterway transport (ADN)**

Not relevant

**Air Transport (IATA)**

<b>14.1 UN number</b>	UN 2789
<b>14.2 Proper shipping name</b>	Acetic acid, glacial
<b>14.3 Class</b>	8 (3)
<b>14.4 Packing group</b>	II
<b>14.5 Environmentally hazardous</b>	-
<b>14.6 Special precautions for user</b>	no

**Sea Transport (IMDG)**

<b>14.1 UN number</b>	UN 2789
<b>14.2 Proper shipping name</b>	Acetic acid, glacial
<b>14.3 Class</b>	8 (3)
<b>14.4 Packing group</b>	II
<b>14.5 Environmentally hazardous</b>	-
<b>14.6 Special precautions for user</b>	no

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not relevant

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**15. Regulatory information.****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

For this product an assessment was not carried out.

**15.2 Chemical Safety Assessment**

For this product an assessment was not carried out.

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**16. Other information.**

The information and recommendations in this MSDS are to the best of our knowledge, information and belief accurate at the date of publications. Although utmost care has been taken in the composition of this text, the publisher cannot be held responsible for any damage resulting from any possible error in this publications.

Full text of H-Statements referred to under sections 2 and 3.

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.