

## SAFETY DATA SHEET

FOSFORKOPPARLOD S-2-K 12640207

Last changed: 08/05/2012

Internal No: 12640207

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

#### 1.1 Product identifier

Trade name / designation FOSFORKOPPARLOD S-2-K 12640207

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

#### 1.3 Details of the supplier of the safety data sheet

##### NATIONAL MANUFACTURER/IMPORTER

Enterprise GasIQ AB  
Address Snickarevägen 1  
Postal code 443 61 Stenkullen  
Country SVERIGE  
E-mail info@gasiq.se  
Internet www.gasiq.se  
Telephone +46 302 24680  
Fax +46 302 24690

### 2 Hazards identification

#### 2.1 Classification of the substance or mixture

DPD Classification:

CLP Classification:

Most important HSE hazard effects:

#### 2.2 Label elements

Signal word: None

EC-Label: No

##### COMPOSITION

P röd (4,7 - 6,5 %), Koppar (78,7 - 92,6 %), Silver (1,5 - 16 %)

##### SUPPLEMENTAL HAZARD INFORMATION (EU)

May irritate the respiratory organs. Risk of lung oedema (fluid accumulation in the lungs) at high contents. May be irritating in the mouth, gullet and gastrointestinal system. May cause anaemia following protracted exposure. Irritating to eyes. Smarting. Repeated or prolonged exposure may cause chronic bronchitis and possible skeletal changes. Avoid contact with skin. May cause redness, itching. Warm/hot product may cause burns.

#### 2.3 Other hazards

##### OTHER HAZARDS

Contains an environmentally dangerous substance.

### 3 Composition/information on ingredients

#### 3.2 Mixtures

## SAFETY DATA SHEET

**FOSFORKOPPARLOD S-2-K 12640207**

Last changed: 08/05/2012

Internal No: 12640207

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
P röd			7723-14-0	4,7 - 6,5 %	F,N,R11 - R16 - R52/53	Unst. Expl. H200 Flam. Liq. 2 H225 Aquatic Chronic 3 H412
Koppar			7440-50-8	78,7 - 92,6 %	N,R52/53	Aquatic Chronic 3 H412
Silver			7440-22-4	1,5 - 16 %	N,R52/53	Aquatic Chronic 3 H412

Full text of R-, H- and EUH-phrases: see section 16.

The EUH hazard statements mentioned in CLP-classification are only label elements.

### 4 First aid measures

#### 4.1 Description of first aid measures

##### INHALATION

Provide rest, warmth and fresh air. Rest in a half-seated position. When breathing is difficult, properly trained personnel may assist affected person by administering 100 % oxygen. Contact physician.

##### INGESTION

Give water or milk, preferably with active carbon. Immediately to hospital. Immediately consult a doctor.

##### SKIN CONTACT

Immediately rinse with water for several minutes.

##### EYE CONTACT

Important! Rinse immediately with water for at least 15 minutes, keeping the eyelids wide open. Remove contact lenses. Immediately consult a doctor.

##### GENERAL

Not translated to English Do not induce vomiting or give anything by mouth to an unconscious person. Keep the injured person warm and relaxed.

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

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

##### INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Antidote treatment may be necessary. In an emergency, contact the national Poisons Information Centre.

### 5 Fire-fighting measures

#### 5.1 Extinguishing media

##### SUITABLE EXTINGUISHING MEDIA:

Extinguishing agent: carbon dioxide or water. NOT TRANSLATED

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

#### 5.3 Advice for fire-fighters

##### ADVICE FOR FIREFIGHTERS

If necessary, respirator (full face mask) with B (grey) filter and P2 particle filter or E (yellow) gas filter, or breathing apparatus.

## SAFETY DATA SHEET

FOSFORKOPPARLOD S-2-K 12640207

Last changed: 08/05/2012

Internal No: 12640207

### OTHER INFORMATION

Corrosive gases are generated when heated.

### 6 Accidental release measures

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

#### 6.2 Environmental precautions

##### ENVIRONMENTAL PRECAUTIONS

Inform the emergency service in the event of major spillage.

#### 6.3 Methods and material for containment and cleaning up

##### METHODS AND MATERIAL

Shovel into dry containers. Cover and move the containers. Flush the area with water.

#### 6.4 Reference to other sections

### 7 Handling and Storage

#### 7.1 Precautions for safe handling

##### PRECAUTION FOR SAFE HANDLING

If enclosed handling cannot be guaranteed, ventilation and protective clothing must be used.

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

##### CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Store dry. Keep in a cool place.

#### 7.3 Specific end uses

### 8 Exposure controls / Personal protection

#### 8.1 Control parameters

##### OEL value

Ingredient name	CAS no.	Range	ppm	mg/m3	Year	Notification
Koppar	7440-50-8	15 min.				
Koppar	7440-50-8	8 h		1		

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

#### 8.2 Exposure controls

##### APPROPRIATE ENGINEERING CONTROLS

Use only in well-ventilated areas. As far as possible, use closed systems. If enclosed handling cannot be guaranteed, ventilation and protective clothing must be used. Avoid direct contact. Facilities for eye rinsing must be available.

##### EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

##### HAND PROTECTION

Protective gloves must be used if there is a risk of direct contact or splash.

##### RESPIRATORY PROTECTION

If necessary, respirator (full face mask) with B (grey) filter and P2 particle filter, or breathing apparatus.

## SAFETY DATA SHEET

FOSFORKOPPARLOD S-2-K 12640207

Last changed: 08/05/2012

Internal No: 12640207

### 9 Physical and chemical Properties

#### 9.1 Information on basic physical and chemical properties

**COLOUR** Silver-coloured.

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	650 - 810 °C		
Freezing point	No data		
Initial boiling point and boiling range	No data		
Flash point	No data		
Evaporation rate	No data		
Flammability (solid, gas)	No data		
Flammability limits	No data		
Explosion limits	No data		
Vapour pressure	No data		
Vapour density	No data		
Relative density	No data		
Partition coefficient	No data		
Auto-ignition temprature	No data		
Decomposition temprature	No data		
Viscosity	No data		

#### 9.2 Other safety information

Parameter	Value/unit	Method/reference	Observation
Density	8,4 g/cm <sup>3</sup>	20°C	

Note no.	Comments

#### OTHER INFORMATION

NOT TRANSLATED NOT TRANSLATED

### 10 Stability and Reactivity

#### 10.1 Reactivity

#### 10.2 Chemical stability

##### CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

#### 10.3 Possibility of hazardous reactions

#### 10.4 Conditions to avoid

##### CONDITIONS TO AVOID

NOT TRANSLATED

#### 10.5 Incompatible materials

#### 10.6 Hazardous decomposition products:

### 11 Toxicological information

## SAFETY DATA SHEET

**FOSFORKOPPARLOD S-2-K 12640207**

Last changed: 08/05/2012

Internal No: 12640207

### 11.1 Toxicological effects

#### ACUTE TOXICITY - ORAL

Nausea and stomach disorders.

#### ACUTE TOXICITY - INHALATION

May cause serious smarting in the nose and throat. Coughing. Protracted exposure to low contents may result in pulmonary oedema. Prolonged or repeated inhalation may cause: gastrointestinal disturbance Jaundice. Anemia (lack of red blood cells). Repeated or prolonged exposure may cause chronic bronchitis and possible skeletal changes. NOT TRANSLATED May cause loosening of the teeth.

#### SKIN CORROSION/IRRITATION

Smarting. Warm/hot product may cause burns.

#### SERIOUS EYE DAMAGE/IRRITATION

Splashing into the eyes may cause serious smarting/irritation. NOT TRANSLATED

### 12 Ecological information

#### 12.1 Toxicity

FOSFORKOPPARLOD S-2-K 12640207

Test	Exposure time	Value/unit	Species	Source
LC50 (Acute algae)		< 1 mg/l		

#### 12.2 Persistence and degradability

#### 12.3 Bioaccumulative potential

#### 12.4 Mobility in soil

#### 12.5 Results of PBT and vPvB assessment

#### 12.6 Other adverse effects

### 13 Disposal considerations

#### 13.1 Waste treatment methods

#### GENERAL REGULATIONS

If the spillage or waste cannot be recycled or destroyed privately (NB licence requirements), contact a contractor approved by the municipality or county council. Empty packaging is sent for recycling.

### 14 Transport information

Classified as Dangerous Goods: **No**

#### Land transport (ADR/RID)

14.1 UN-No.	Not applicable.	14.4 Packing group	Not applicable.
14.2 Proper Shipping Name	Not applicable.	14.5 Environmental hazards	Not applicable.
14.3 Class(es)	Not applicable.	Tunnel restriction code	Not applicable.
Hazard label(s)	Not applicable.		
Hazard ID:	Not applicable.		

## SAFETY DATA SHEET

**FOSFORKOPPARLOD S-2-K 12640207**

Last changed: 08/05/2012

Internal No: 12640207

### Inland water ways transport (ADN)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Enviromentally hazardous in tank-vessels</b>	Not applicable.		

### Sea transport (IMDG)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Sub Risk:</b>	Not applicable.		
<b>IMDG Code segregation group</b>	Not applicable.		
<b>Marine pollutant</b>	Not applicable.		
<b>EMS:</b>	Not applicable.		

### Air transport (ICAO-TI / IATA-DGR)

<b>14.1 UN-No.</b>	Not applicable.	<b>14.4 Packing group</b>	Not applicable.
<b>14.2 Proper Shipping Name</b>	Not applicable.	<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.3 Class(es)</b>	Not applicable.		
<b>Hazard label(s)</b>	Not applicable.		

## 15 Regulatory information

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

**15.2 Chemical Safety Assessment**

## 16 Other information

### LIST OF RELEVANT R-PHRASES

R11	Highly flammable.
R16	Explosive when mixed with oxidising substances.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### LIST OF RELEVANT H-STATEMENTS

H200	Unstable explosive.
H225	Highly flammable liquid and vapour.
H412	Harmful to aquatic life with long lasting effects.