

SAFETY DATA SHEET

FOSFORKOPPARLOD FK 2-K 202300091

Last changed: 12/06/2012

Internal No: 202300091

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

1.1 Product identifier

Trade name / designation FOSFORKOPPARLOD FK 2-K 202300091

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 Luna Verktyg & Maskin AB
Postal code 441 80 Alingsås
Country Sverige
E-mail mikael.olsson@luna.se
Internet www.luna.se
Telephone +46 322 60 60 00
Fax +46 60 64 43

CONTACT PERSONS

Name	E-mail	Telephone	Country
Mikael Olsson			

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

Koppar (79 - 94 %), red phosphorus (4 - 7 %), Silver (1 - 16 %)

2.3 Other hazards

OTHER HAZARDS

NOT TRANSLATEDNot translated to EnglishNot translated to EnglishNot translated to English

3 Composition/information on ingredients

3.2 Mixtures

SAFETY DATA SHEET

FOSFORKOPPARLOD FK 2-K 202300091

Last changed: 12/06/2012

Internal No: 202300091

Ingredient name	Reg.No	EC No.	CAS No.	Conc. (wt%)	DPD-Classification	CLP-classification
Koppar		231-159-6	7440-50-8	79 - 94 %	N,R50/53	Aquatic Chronic 1 H410
red phosphorus		231-768-7	7723-14-0	4 - 7 %	F,R11 - R16 - R52/53	Flam. Sol. 1 H228 Aquatic Chronic 3 H412
Silver			7440-22-4	1 - 16 %		

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

Fresh air and rest. Consult a doctor if symptoms should occur.

INGESTION

Thoroughly rinse the mouth with water. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Consult a doctor if symptoms should occur.

EYE CONTACT

Immediately rinse with water for several minutes. Hold eyelids apart. Remove contact lenses. Consult a doctor if symptoms should occur.

BURNS

Immediately rinse with water. Not translated to EnglishNot translated to EnglishContinue rinsing during the journey to the doctor.

GENERAL

Not translated to English

4.2 Most important symptoms and effects, both acute and delayed

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Inhalation of warm vapours irritates the respiratory organs and may cause smarting in the nose and throat. Coughing. Not translated to EnglishNot translated to English

4.3 Indication of any immediate medical attention and special treatment needed

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5 Fire-fighting measures

5.1 Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire. Extinguishing agent: carbon dioxide or powder. Alcohol-resistant foam.

SAFETY DATA SHEET

FOSFORKOPPARLOD FK 2-K 202300091

Last changed: 12/06/2012

Internal No: 202300091

UNSUITABLE EXTINGUISHING MEDIA

Do not use water.

5.2 Special hazards arising from the substance or mixture

SPECIAL HAZARDS

Not translated to English

5.3 Advice for fire-fighters

ADVICE FOR FIREFIGHTERS

Use breathing apparatus. Not translated to English Do not allow extinguishing water or spillage to run out into the sewage system.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS

Use only in well-ventilated areas. Use personal protective equipment.

6.2 Environmental precautions

ENVIRONMENTAL PRECAUTIONS

Prevent discharges into the sewage system, watercourses or ground.

6.3 Methods and material for containment and cleaning up

METHODS AND MATERIAL

Collect in a suitable container approved for the purpose. Treat as dangerous waste.

6.4 Reference to other sections

7 Handling and Storage

7.1 Precautions for safe handling

PRECAUTION FOR SAFE HANDLING

Use only in well-ventilated areas. Use the specified protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

CONDITION FOR SAFE STORAGE, INCLUDING ANY UNCOMPATIBILITIES

Keep container dry. Not translated to English Keep away from combustible material. Use appropriate container to avoid environmental contamination.

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
Silver	7440-22-4	8 h		0,1	2001	
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

SAFETY DATA SHEET

FOSFORKOPPARLOD FK 2-K 202300091

Last changed: 12/06/2012

Internal No: 202300091

OTHER INFORMATION REGARDING LIMIT VALUES AND MONITORING

NOT TRANSLATED NOT TRANSLATED

8.2 Exposure controls

APPROPRIATE ENGINEERING CONTROLS

Effective ventilation is a prerequisite. Not translated to English Mechanical ventilation or local exhaust ventilation may be required. Facilities for eye rinsing must be available. Use personal protective equipment. When using do not eat, drink or smoke.

EYE PROTECTION

Not translated to English

SKIN PROTECTION

Full protective clothing must be worn.

HAND PROTECTION

Not translated to English

RESPIRATORY PROTECTION

Not translated to English Not translated to English

9 Physical and chemical Properties

9.1 Information on basic physical and chemical properties

COLOUR Copper-coloured.

ODOUR Odour-free.

WATER SOLUBILITY Insoluble in water.

Parameter	Value/unit	Method/reference	Observation
pH concentrate	No data		
pH in solution	No data		
Melting point	645 - 825 °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	8,1 - 8,4	g/m ³ (20°C)	
Partition coefficient	No data		
Auto-ignition temprature	No data		
Decomposition temprature	No data		
Viscosity	No data		

9.2 Other safety information

Note no.	Comments

10 Stability and Reactivity

10.1 Reactivity

SAFETY DATA SHEET

FOSFORKOPPARLOD FK 2-K 202300091

Last changed: 12/06/2012

Internal No: 202300091

10.2 Chemical stability

CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

10.4 Conditions to avoid

10.5 Incompatible materials

INCOMPATIBLE MATERIALS

Oxidising agent Strong acids. Strong alkalis. NOT TRANSLATED

10.6 Hazardous decomposition products:

HAZARDOUS DECOMPOSITION PRODUCTS

Not translated to English

11 Toxicological information

11.1 Toxicological effects

ACUTE TOXICITY - ORAL

May cause nausea and stomach ache.

ACUTE TOXICITY - INHALATION

Inhalation may cause smarting in the nose and throat. Coughing. Not translated to English

SERIOUS EYE DAMAGE/IRRITATION

Not translated to English

OTHER TOXICOLOGICAL INFORMATION

Not translated to English Not translated to English

12 Ecological information

12.1 Toxicity

ACUTE AQUATIC TEST RESULTS

Koppar 0,017 mg/l LC50 96h Oncorhynchus mykis Koppar 0,392 mg/l IC50 72h Selenatrum capricornutum Koppar 0,0065 mg/l EC50 48h Hyalina

ECOTOXICITY

Not translated to English

12.2 Persistence and degradability

DEGRADABILITY

Not translated to English

12.3 Bioaccumulative potential

ACCUMULATION

Not translated to English Contains component/components that can be bioaccumulated.

12.4 Mobility in soil

SAFETY DATA SHEET

FOSFORKOPPARLOD FK 2-K 202300091

Last changed: 12/06/2012

Internal No: 202300091

MOBILITY

Insoluble in water. The product sinks in water.

12.5 Results of PBT and vPvB assessment

12.6 Other adverse effects

OTHER EFFECTS

Not translated to English Prevent discharges into the sewage system, watercourses or ground.

13 Disposal considerations

13.1 Waste treatment methods

GENERAL REGULATIONS

Not translated to English Not translated to English

CATEGORY OF WASTE

Not translated to English Not translated to English

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.		
Hazard label(s)	Not applicable.		
Hazard ID:	Not applicable.	Tunnel restriction code	Not applicable.

Inland water ways transport (ADN)

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.		
Environmentally hazardous in tank-vessels	Not applicable.		

Sea transport (IMDG)

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.		
Sub Risk:	Not applicable.		
IMDG Code segregation group	Not applicable.		
Marine pollutant	Not applicable.		
EMS:	Not applicable.		

SAFETY DATA SHEET

FOSFORKOPPARLOD FK 2-K 202300091

Last changed: 12/06/2012

Internal No: 202300091

Air transport (ICAO-TI / IATA-DGR)

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.		
Hazard label(s)	Not applicable.		

15 Regulatory information

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

PROVISIONS

Not translated to EnglishNot translated to EnglishNot translated to EnglishNot translated to EnglishNot translated to English

15.2 Chemical Safety Assessment

16 Other information

LIST OF RELEVANT R-PHRASES

R11	Highly flammable.
R16	Explosive when mixed with oxidising substances.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LIST OF RELEVANT H-STATEMENTS

H228	Flammable solid.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.