

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 23.07.2018

Version number 2

Revision: 23.07.2018

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **Trade name:** *Leko alkyd primer PF-02*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
*No further relevant information available.*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*“ORGACHIM” JSC*  
*Republic of Bulgaria*  
*Ruse 7000*  
*21 “Treti Mart” blvd.*  
*tel. +359 82 886 222*  
*fax: +359 82 886 221*  
*E-mail address: [orgachim@orgachim.bg](mailto:orgachim@orgachim.bg)*
- **Further information obtainable from:** *Product safety department*
- **1.4 Emergency telephone number:**  
*+4 021 345 17 30 ( 8.30 - 17.00 )*  
*112*

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



*GHS02 flame*

*Flam. Liq. 3            H226 Flammable liquid and vapour.*



*GHS08 health hazard*

*Asp. Tox. 1            H304 May be fatal if swallowed and enters airways.*

*Aquatic Chronic 3   H412 Harmful to aquatic life with long lasting effects.*

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
*The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**



*GHS02    GHS08*

- **Signal word** *Danger*
- **Hazard statements**  
*H226 Flammable liquid and vapour.*  
*H304 May be fatal if swallowed and enters airways.*  
*H412 Harmful to aquatic life with long lasting effects.*
- **Precautionary statements**  
*P101 If medical advice is needed, have product container or label at hand.*  
*P102 Keep out of reach of children*  
*P260 Do not breathe dust/fume/gas/mist/vapours/spray.*  
*P262 Do not get in eyes, on skin, or on clothing.*  
*P273 Avoid release to the environment.*  
*P271 Use only outdoors or in a well-ventilated area.*  
*P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*

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- **Additional information:**  
Contains 2-butanone oxime. May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture

- **Dangerous components:**

CAS: 7779-90-0 EINECS: 231-944-3 Index number: 030-011-00-6	trizinc bis(orthophosphate) ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0,5-1%
EINECS: 215-535-7 Index number: 601-022-00-9	Xylene ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	0,5-1%
CAS: 96-29-7 EINECS: 202-496-6 Index number: 616-014-00-0	2-butanone oxime ⚠ Carc. 2, H351; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H312; Skin Sens. 1, H317	0,1-0,5%
CAS: 64742-88-7 EINECS: 265-191-7 Index number: 649-405-00-X	Solvent naphtha (petroleum), medium aliph. ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 1, H372; Asp. Tox. 1, H304	10-20%

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.  
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.  
Remove to fresh air. Keep person warm and rest
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Check for and remove any contact lenses
- **After swallowing:** If swallowed, seek medical advice immediately and show the container or label.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

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- **5.3 Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Information about storage in one common storage facility:**  
Keep away from: oxidising agents, strong alkalis, strong acids.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

7779-90-0 trizinc bis(orthophosphate)	
MAK (Germany)	Long-term value: 0,1A* 2E** mg/m <sup>3</sup> *alveolengängig; **eintembar

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

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- **Respiratory protection:**

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

*If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.*

- **Protection of hands:**



Protective gloves

*The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*

*Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.*

*Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation*

- **Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

- **Penetration time of glove material**

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

*Form: Liquid*

*Colour: According to product specification*

- **Odour:** *Characteristic*

- **Odour threshold:** *Not determined.*

- **pH-value:** *Not determined.*

- **Change in condition**

*Melting point/Melting range: Undetermined.*

*Boiling point/Boiling range: Undetermined.*

- **Flash point:** *33 °C*

- **Ignition temperature:**

*Decomposition temperature: Not determined.*

- **Self-igniting:** *Product is not selfigniting.*

- **Danger of explosion:** *Product is not explosive. However, formation of explosive air/vapour mixtures are possible.*

- **Explosion limits:**

*Lower: Not determined.*

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<b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>VOC (EC)</b>	0,00 %
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability** Stable under recommended storage and handling conditions (see section 7).
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **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 dangerous decomposition products known.

### SECTION 11: Toxicological information

#### · 11.1 Information on toxicological effects

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 3 and 15 for details.

#### · Acute toxicity:

#### · LD/LC50 values relevant for classification:

##### 64742-88-7 Solvent naphtha (petroleum), medium aliph.

Oral	LD50	>6500 mg/kg (rat)
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Dermal	LD50	>3000 mg/kg (rab)
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Inhalative	LC50/4 h	>14 mg/l (rat)
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##### 7779-90-0 trizinc bis(orthophosphate)

Oral	LD50	>5000 mg/kg (rat)
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##### 96-29-7 2-butanone oxime

Oral	LD50	3700 mg/kg (rat)
------	------	------------------

Dermal	LD50	200-2000 mg/kg (rat)
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Inhalative	LC50/4 h	20 mg/l (rat)
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#### · Primary irritant effect:

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitisation:** No sensitising effects known.

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· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Harmful

### SECTION 12: Ecological information

· **12.1 Toxicity**

There are no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for ecotoxicological properties accordingly. See Sections 3 and 15 for details.

· **Aquatic 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.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

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

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA** 1263

· **14.2 UN proper shipping name**

· **ADR** 1263 PAINT

· **IMDG, IATA** PAINT

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**



· **Class** 3 Flammable liquids.

· **Label** 3

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· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	<i>III</i>
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	<i>No</i>
· <b>14.6 Special precautions for user</b> · <b>Danger code (Kemler):</b> · <b>EMS Number:</b>	<i>Warning: Flammable liquids.</i> <i>30</i> <i>F-E, S-E</i>
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	<i>Not applicable.</i>
· <b>Transport/Additional information:</b>	
· <b>ADR</b> · <b>Limited quantities (LQ)</b> · <b>Transport category</b> · <b>Tunnel restriction code</b>	<i>LQ7</i> <i>3</i> <i>D/E</i>
· <b>UN "Model Regulation":</b>	<i>UN1263, PAINT, 3, III</i>

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**  
*The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**



GHS02 GHS08

- **Signal word** *Danger*
- **Hazard statements**  
*H226 Flammable liquid and vapour.*  
*H304 May be fatal if swallowed and enters airways.*  
*H412 Harmful to aquatic life with long lasting effects.*
- **Precautionary statements**  
*P260 Do not breathe dust/fume/gas/mist/vapours/spray.*  
*P262 Do not get in eyes, on skin, or on clothing.*  
*P273 Avoid release to the environment.*  
*P271 Use only outdoors or in a well-ventilated area.*  
*P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*
- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**  
*H226 Flammable liquid and vapour.*  
*H304 May be fatal if swallowed and enters airways.*  
*H312 Harmful in contact with skin.*  
*H315 Causes skin irritation.*  
*H317 May cause an allergic skin reaction.*  
*H318 Causes serious eye damage.*

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*H332 Harmful if inhaled.*

*H351 Suspected of causing cancer.*

*H372 Causes damage to organs through prolonged or repeated exposure.*

*H400 Very toxic to aquatic life.*

*H410 Very toxic to aquatic life with long lasting effects.*

· **Department issuing MSDS:** Product safety department

· **Abbreviations and acronyms:**

*Flam. Liq. 3: Flammable liquids, Hazard Category 3*

*Acute Tox. 4: Acute toxicity, Hazard Category 4*

*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1*

*Skin Sens. 1: Sensitisation - Skin, Hazard Category 1*

*Carc. 2: Carcinogenicity, Hazard Category 2*

*STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1*

*Asp. Tox. 1: Aspiration hazard, Hazard Category 1*

*Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1*

*Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1*

*Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3*

· **\* Data compared to the previous version altered.**

· **Note**

*The information in this safety data sheet is based on the current state of knowledge on current EU legislation and national legislation.*

*Sheet provides guidance on issues of health, safety and environmental issues related to product and shall not be seen as a guarantee of technical performance or suitability for a specific application. The product will not be used for purposes other than those specified in Section 1 without the prior written instructions from the supplier for handling.*

*Since conditions of use are outside the suppliers control, the user is responsible for taking all measures necessary to comply with all requirements of law. The information contained in this safety data sheet is not own assessment of the user in terms of workplace risks as required by health and safety legislation.*