



KRONOPHOS PZM

Safety Data Sheet

Date of issue: 8/21/2018 Version: 1.0

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification: Zavod Kronakril

11d Stroiteley

152300 Yaroslavl obl, Tutaev, Russia

T +7 4852 985895- F +7 4852 981895

Product Name: KRONPHOS PZM

Chemical formula: Mixture

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Percent</u>	<u>CAS Number</u>
Zinc Phosphate	85-97%	7779-90-0
Zinc Oxide	0-10%	1314-13-2
Zinc Molybdate	0-5%	13767-32-3

SECTION 3 – HAZARDS IDENTIFICATION

WHITE SOLID THAT POSES LITTLE OR NO IMMEDIATE HAZARD.

Potential Health Effects

1. **Skin:** May cause slight irritation.
2. **Eyes:** May cause slight irritation.
3. **Inhalation:** Avoid breathing dust.
4. **Ingestion:** May be harmful if swallowed
5. **Chronic information:** n.a.

SECTION 4 – FIRST AID MEASURES

SEEK IMMEDIATE MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE

Skin: Immediately wash skin with plenty of soap and water for at least 15 minutes. Remove dirty clothes and shoes and clean thoroughly before reuse.

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical attention.

Inhalation: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Do not induce



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Safety Data Sheet

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vomiting unless directed to do so by a physician.

Note to Physician: Treat symptomatically and supportively.

SECTION 5 – FIRE FIGHTING MEASURES

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Flammability Properties:	<i>Non combustible. Not considered to be a fire hazard.</i>
Flash Point / Method:	No information available.
Flammability Limits (in air % by volume)	No information available.
LEL:	No information available.
UEL:	No information available.
Auto ignition Temperature:	No information available.
Hazardous Combustion Products:	n.a.
Extinguishing Media:	Water, dry chemical foam, or alcohol-resistant foam.
Firefight instructions:	As in any fire, wear full protective clothing and NIOSH- approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

General Information: Wear appropriate personal protective equipment as specified in Section 8.

Spills / Leaks: Take up and containerize any spills for reclamation or disposal. US CERCLA Regulations require reporting spills and releases to soil, water, and air in excess of reportable quantities.

SECTION 7 – HANDLING AND STORAGE PROCEDURES

Handling: Avoid breathing dust. Wash thoroughly after handling. Keep container tightly



closed. Wear appropriate personal protective equipment as specified in Section 8.

Storage: Store in a tightly closed container in a cool, dry location away from incompatible substances.

SECTION 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.

Respiratory Protection: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements for European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Skin Protection: Wear appropriate protective clothing and gloves to prevent skin exposure.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles to prevent eye exposure.

Exposure Limits	
NIOSH	OSHA Final PEL's
Dust (ZnO)TWA: 5 mg/m ³ Fume (ZnO) TWA: 5 mg/m ³	Fume (ZnO): 5 mg/m ³ Total dust (ZnO): 15 mg/m ³ Resp. Dust (ZnO): 5 mg/m ³

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

Physical state	Solid
Appearance	White
Odour	Odourless
Melting Point	900°C
Decomposition Temperature	1100°C
pH	6.8 (100 g/l water, in suspension)
Vapour Pressure (mm Hg)	Not applicable
Vapour Density (Air=1)	Not applicable
Solubility in Water	0,3-0,4 g/l
Specific Gravity/Density	3.0-3.2 g/cm ³

SECTION 10 – STABILITY AND REACTIVITY DATA

Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Dust generation, excess heat, combustible materials, and moisture.



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Incompatibility (materials to avoid): This product will solubilize in acid, ammonia hydroxide, or prolonged contact with water.

Hazardous Decomposition Products: None

Hazardous Polymerization: None

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicology:

Acute oral LD 50 (oral/rat): > 5000 mg/Kg

Acute dermal LD 50: No data at this time

Acute inhalation LC 50: No data at this time

Chronic Toxicology:

No human carcinogen, no teratogenic, no toxic for reproduction, no mutagenic.

Other Studies: no information available

SECTION 12 – ECOLOGICAL INFORMATION

Environmental Fate: This material is not expected to biodegrade when released into the soil.

KRONPHOS PZM ecotoxicity:

Toxicity in fish (OCDE 203, acute):

<i>Brachydanio Rerio</i>	LC ₅₀ (96 h)	> 100 mg/dm ³
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Toxicity in alga (OCDE 201, acute):

<i>Scenedesmus Subspicatus</i>	IC ₅₀ (72 h)	> 100 mg/dm ³
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Toxicity in Daphnia (OCDE 202, acute):

<i>Daphnia Magna</i>	EC ₅₀ (48 h)	> 100 mg/dm ³
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SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of containers and contents in accordance with all local, state, and Federal requirements.

SECTION 14 – TRANSPORTATION INFORMATION

D.O.T

Proper Shipping Name: Not applicable.

Hazard Class/I.D. No./Packing Group: Not applicable.

Label: Not applicable.

Additional Information: Not applicable.



I.M.O./I.M.D.G.

Proper Shipping Name: Not applicable.

Hazard Class/I.D. No./Packing Group: Not applicable.

Label: Not applicable.

Additional Information: Not applicable.

I.C.A.O./I.A.T.A.

Proper Shipping Name: Not applicable.

Hazard Class/I. D. No. /Packing Group: Not applicable.

Label: Not applicable.

Additional Information: Not applicable.

SECTION 15 – REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA Section 8 (b): CAS of components showing in Section 2 are listed on TSCA inventory.

SARA title III Section 302 Extremely Hazardous Substances (EHS): Since none of the components are EHS and no Threshold Planning Quantity is established, its presence in quantities at or above TPQ does not require any Emergency Planning Notification under 40 CFR Part 355.

SARA title III Section 304 CERCLA Hazardous Substances: Releases in quantities equal to or above their Reportable Quantity are not subject to any Emergency Notification, as no reportable quantity is established under 40 CFR Part 302.

SARA title III Sections 311 / 312: No reporting (Tier I or Tier II) shall be submitted by the facility under 40 CFR Part 370.

Physical Hazards

Fire: None

Sudden Release of Pressure: None

Reactivity: None

Health Hazards

Immediate (Acute): None

Delayed (Chronic): None

SARA title III Section 313 (Reportable Toxic Ingredients):

CAS number	Chemical name	Content
-----	Zinc Compounds (N982)	Approximately: 50 % Zinc

European Directives

Regulation 1907/2006/EC (REACH): all the substances in the preparation are REACH pre-registered.

Directive 94/62/EEC: EU Directive on Packaging and Packaging Waste; comparable to US



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CONEG Legislation.

Directive 2008/58/EC (last amendment of Dir. 67/548/EEC): in Annex I both zinc oxide and zinc phosphate are classified as dangerous for the aquatic environment. But, according to performed essays following Annex V of Dir. 67/548/EEC, no labelling is required in Europe.

SECTION 16 – OTHER INFORMATION

Restrict to professional users
