

PPH CERKAMED**Material Safety Data Sheet ZINC OXIDE FAST**

MSDS is prepared in accordance with THE REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), Regulation (UE) No 453/2010 of THE EUROPEAN COMMISSION of 20 May 2010. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, COMMISSION REGULATION (EU) No 618/2012 of 10 July 2012 amending, for the purposes of its adaptation to technical and scientific progress.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: ZINC OXIDE FAST

Application: Zinc Oxide

Manufacturer's name:

PPH CERKAMED Wojciech Pawłowski
37-450 Stalowa Wola
ul. Kwiatkowskiego 1
Tel. 015 / 842 35 85

Toxicology information (0-22) 618 77 10

National Toxicology Information Center (0-42) 631 47 24

Person responsible for material safety data sheet: malgorzatak@cerkamed.pl

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2. HAZARDS IDENTIFICATION

Danger product to environment. High toxic for aquatic organism, can cause long lasting negative effects in environment.

Classification according to GHS

**HAZARDOUS**

Hazardous: H410 High toxic for aquatic organism, can cause long lasting negative effects in environment.

Prevention: P273 Avoid release to environment

P391 Take off leakage

P501.1 Content/package remove according to local regulations.

Storage:

P402 Store in dry area

P403 Store in well-ventilated area

P232 Protect against humidity

3. COMPONENTS

Name	CAS No.	WE No.	Classification	R-phrases	Concentration [%]
Zinc Oxide	1314-13-2	215-222-5	N	50-53	min 99%
Acetate Oxide	5970-45-6	209-170-2	Xn, Xi, N	22,36,50-53	0,1%

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The full wording of R-phrases and symbols can be found in point 16 of this MSDS

4. EMERGENCY FIRST AID PROCEDURES

General information:

Do not give anything by mouth to an unconscious person.

After inhalation:

Provide access to fresh air. Call a doctor.

After eye contact:

Immediately flush eyes with plenty of water for at least 10 minutes.

Avoid strong stream of water due to the risk of mechanical damage to the cornea.

Immediately contact your oculist.

After skin contact: Take off contaminated clothing. Rinse skin with plenty of water.

After ingestion: Induce vomiting. Give water to drink. Contact your doctor.

5. FIRE FIGHTING MEASURES

Product not-flammable.

Adequate fire-fighting measures: appropriate measures for extinguish smoking materials in the environment.

Fire-fighting measures, which must not be used for safety reasons: Not specified

Special risks: Unknown.

Hazardous decomposition products:

Toxic fumes .

Special protective equipment: In case of fire substances harmful to health can be produced. Put on protective gastight clothing and breathing apparatus complete with a full face mask.

6. UNINTENDED RELEASE INTO THE ENVIRONMENT

Individual precautions:

Avoid inhalation, contact with eyes and skin. Provide for the exchange of air (ventilation).

Proceed in accordance with the principles of safety and health at work with chemicals. Use personal protective equipment as stated in paragraph 8.

Precautions concerning environment protection:

In the event of a failure, do not allow discharges into the environment. Secure the product before it enters the sewers, groundwater, soil.

Cleaning method:

Transfer powder to a closable, labeled salvage container for disposal by an appropriate method. Contaminated area clean very well. Give to utilization.

7. HANDLING AND STORAGE

Dealing with preparation: Proceed in accordance with the principles of good practice and in compliance with health and safety. While using of the device do not eat, drink or smoke, avoid eye and skin contact with the liquid, personal protective equipment (as defined in section 8).

Protection against fire and explosion: Non-flammable preparation

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Storage: Keep in a tightly closed container, stored in a dry, well-ventilated area. Range of temperature: 15-25 °C. Keep away from humidity and air.

Special treatment: Not specified

8. EXPOSURE CONTROL/INDIVIDUAL PROTECTION**Biological monitoring:**

Not applicable

Respiratory protection:

Not required - with proper treatment.

Eye protection:

Necessary - goggles or face protection such as protective visor.

Skin protection:

Necessary - gloves and appropriate protective clothing – lab coat.

Other information:

While using the preparation avoid eye and skin exposure, do not consume meals and beverages, do not smoke.

9. PHYSICAL/CHEMICAL PROPERTIES

Physical form, color, odor:	white powder, odorless
Flammable Point:	not determined
Boiling point:	sublimate without decomposition at temp. 1800 °C
Melting point:	1800 °C
Vapor pressure:	not determined
Solubility in water:	insoluble
Solubility in organic solvent:	not determined
Density:	5,61 g / ml
pH	7
Loading weight:	300-500 kg/m ³

10. STABILITY AND REACTIVITY**Stability:**

Product stable under normal conditions of use and storage. Absorbs carbon dioxide from air.

Materials and conditions that must be avoided:

Water, humidity, magnesium, strong reductors and acids.

Hazardous decomposition products:

Not specified.

11. TOXICOLOGICAL INFORMATION**Inhalation**

Zinc oxide (CAS 1314-13-2) TCL_0 (human) 600 mg/m³

LC_{50} (rat) 5,7 mg/l

Zinc oxide powdered is not toxic, just vapors heated to temp. 1800 °C may cause fever.

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Zinc oxide (CAS 1314-13-2) LDL_0 (human) 500 mg/kg
 LD_{50} (rat) 7950 mg/kg

May cause irritating to alimentary system and induces vomiting.

Skin

Does not cause skin irritation.

Eyes

Avoid eye contact

Other information

None of the ingredients of the product is classified as carcinogenic, mutagenic or reprotoxic.

12. ECOLOGICAL INFORMATION**Ecotoxicology:**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Bioaccumulation:

Not specified

Biodegradation:

Biodegradable

Other information:

Prevent product from entering sewers, groundwater, soil.

13. DISPOSAL CONSIDERATIONS

Dispose of in compliance with governmental regulation or return to the producer.

14. TRANSPORT INFORMATION

The product is subject to regulations for hazardous materials.

Transport by road (ADR / RID) – NA

Maritime transport (IMDG) - 9

Air transport (ICAO / IATA) - NA

15. REGULATION

Product has to be labeled.

H410 High toxic for aquatic organism, can cause long lasting negative effects in environment.

PPH CERKAMED**Material Safety Data Sheet ZINC OXIDE FAST****General information:**

The product intended for use only by qualified medical personnel, as recommended by the manufacturer.

NOTE: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the material safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Explanation of symbols and phrases appearing in section 3:

N	Dangerous substances to environment
R 50-53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S 60-61	Product and package remove as dangerous waste. Avoid environment pollution. Follow up instruction and MSDS.

Other sources of basic data to compile the data sheet:

- MSDS of the individual ingredients of this product
- Computer Database EINECS, 2005.
- IUCLID Data Bank
- ESIS - European Chemical Substances Information System

You will be responsible for creating the conditions for the safe use of the product and bear responsibility for any consequences resulting from misuse of this product.