

TITANIUM FA, DR

SAFETY DATA SHEET

Issue: 19th January 2009

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

1.1 Identification of the substance: Facade photocatalytic silicate paint TITANIUM FA.
Photocatalytic silicate paint for road building TITANIUM DR

1.2 Use of the substance:

Based on polymer resin and potassium silicates, water borne dispersion paint for general interior and exterior use.

1.3 Identification of the Company:

PIGMENT s. j. ul. Pyrzycka 23 A, 70-892 Szczecin, Poland
tel./fax: + 48 91 462 10 20, +48 91 462 11 86

1.4. Alarm telephone: +48 22 462 10 20 (opening hours: 8:00-16:00)

2. HAZARD IDENTIFICATION

The product reacts with aluminium and its alloys, zinc and its alloys with hydrogen evolution (explosion hazard). It reacts, with heat release, with sodium and potassium hydroxides, concentrated acids.

2.1. Potential health effects:

- Classification: Xi; R37/38. Irritant
- Accidental ingestion: causes alimentary tract irritation.
- Inhalation: sprayed mist causes respiratory tract irritation.
- Skin contact: may cause skin irritation.
- Eye contact: direct exposure causes eye irritation, i.e. eye burn and conjunctiva irritation.

2.2. Environmental effects: none – according to the available information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Chemical characteristics:

It is a water borne product; it is based on dispersion of polymer resin and potassium silicates; it contains additives, mineral fillers, organic/mineral pigments, photocatalyst and water.

3.2. Ingredients:

Name	EINECS no	CAS no	% m/m	Classification	S Symbol	R Symbol
potassium silicate	215-199-1	1312-76-1	5-10 %	Xi	26,36/37/39,45	37/38

4. FIRST AID MEASURES

- Incidental ingestion: rinse out mouth; drink plenty of water. In case of feeling unwell or nauseous seek medical advice. Do not induce vomiting.
- Inhalation: move away from exposure and into fresh air.
- Skin contact: wash your skin thoroughly with plenty of water; remove your contaminated clothing.
- Eye contact: rinse immediately with plenty of running water (for at least 10 minutes); if irritation persists seek medical attention.

5. FIRE-FIGHTING MEASURES

The product is non-flammable. In case of any fire it may be mixed with water. Any commonly available extinguishing media are allowable. In elevated temperatures it reacts with aluminium and its alloys, zinc and its alloys with heat release (explosion hazard).

6. ACCIDENTAL RELEASE MEASURES

In case of leakage or spillage of the product it should be collected and removed to steel containers or plastic ones. In case of hardly removable residue you should wash the contaminated surfaces with water.

Personal protection measures: gloves and goggles.

7. HANDLING AND STORAGE

7.1. Handling:

Avoid direct contact with skin, mucous membranes and clothing. When work is finished, thoroughly wash contaminated skin with water and soap. During work ventilate the painted rooms, and prior to putting the rooms into operation ventilate them until the odour disappears.

7.2. Storage:

Store in tightly closed containers, in dry and cool place. Protect from direct sunlight and other heat sources and temperature lower than +5°C.

7.3. Specific use: not applicable.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Exposure limits:

Ingredients subject to workplace control: no data available.

8.2. Exposure control:

8.2.1. Workplace exposure control: provide sufficient ventilation during work.

a) Respiratory tract protection: in case of spraying one should use a dust-mask.

b) Hand protection: working gloves.

c) Eye protection: safety goggles.

d) Skin protection: overalls or a protective apron, a headdress.

8.2.2. Environmental exposure control: no data available.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information:

- Appearance: liquid, white colour or colour according to the card
- Odour: mild, characteristic

9.2. Important information on health, safety and environment:

- pH: 11 ÷ 12
- Boiling point: N/A
- Flash point: N/A
- Flammability: non-flammable
- Explosive properties: N/A
- Oxidising properties: N/A
- Vapour pressure: N/A
- Relative density: ca. 1.5 g/cm³
- Solubility: mixable in water
- Partition coefficient (n-octanol/water): -
- Viscosity: -
- Vapour density: -
- Evaporation rate: -

9.3. Other data: freezing point: below 0°C.

10. STABILITY AND REACTIVITY

The product is stable. When used under conditions following the instructions for use, it does not undergo decomposition.

10.1. Conditions to avoid: concentrated acids, liquors, alkali metals, aluminium and its alloys, zinc and its alloys.

10.2. Agents to avoid: reaction with acids – evolution of CO₂.

10.3. Hazardous decomposition products: No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Because the product is alkaline the skin contact may cause irritation manifesting itself in skin redness. In case of ingestion the product causes irritation of mouth, gullet and stomach. The sprayed mist causes respiratory tract irritation. Direct contact causes eye burns and conjunctiva irritation.

12. ECOLOGICAL INFORMATION

Prevent run-off to sewers and underground water. No data as far as environment effects are available. No data of the product biodegradability are available.

12.1 Ecotoxicity: -

12.2 Mobility: -

12.3 Stability and decomposability: -

12.4 Bioaccumulation: -

12.5 Assessment of PBT characteristics: -

12.6 Other harmful effects: -

13. DISPOSAL CONSIDERATIONS

In accordance with the regulations the product wastes are not considered hazardous. Waste disposal and neutralization should be done in accordance with the local binding regulations.

14. TRANSPORT INFORMATION

The product is not hazardous according to:

- land transport:	ADR, RID,	- inland waterway transport:	ADNR,
- sea transport:	IMDG,	- air transport:	ICAO, IATA.

15. REGULATORY INFORMATION

Hazard classification:

R 37/38 - Irritating to respiratory system and skin.

How to handle correctly a hazardous substance:

S 2 - Keep out of reach of children.

S 24/25 - Avoid contact with skin and eyes.

S 26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 - Wear suitable clothing, gloves and eye/face protection.

S 62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

- In particular cases all other national and regional legal regulations concerning transport and waste disposal should be looked up.

- The European Parliament and the Council resolution on classification, labelling and packaging of substances and mixtures, Annex VI, Table 3.2.



Xi

16. OTHER INFORMATION

- The information contained herein is based upon our best current knowledge; however, the data do not signify any warranty with regard to the product's properties and they are not meant to be treated as legally binding commercial agreements.

- The Data Sheet is developed in accordance with the Resolution (EC) No 1907/2006 of the European Parliament and the Council of 18th December 2006 (EU Official Journal L 136 of 29th May 2007)

- The data source: European Chemical Substances Information System.