

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Name: **BAUTER REVLECTIVE ROOF**
Identification Compound
Internal code 07FZ-049; 07FZ-050; 07FZ-051;
Other names Dispersion mixture of the polymer with the filler, the pigment, and minor amounts of additives

1.2 Product use

Dispersion paint for decorative and protective roofs paintings. The presence of light in a vacuum microspheres balls reduces surface moisture and improves the heat balance of the building.

1.3 Manufacture name

PPCH Plastochem J. Socha
41-407 Imielin ul. Hallera 27B
Phone number: +48(32)2256048
e-mail: infopplastochem@gmail.com

1.4 Emergency telephone

998 or 112 or the nearest local station of the firefighters; toxic information in Poland (42)6314724

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (WE) No 1272/2008 of 16 December 2008 on classification, labeling and packaging (CLP)

General risks The product is not classified as hazardous under applicable regulations.

Health Hazards Not applicable

Environmental hazard Not applicable

H412 Harmful to aquatic organisms, causes long-term changes.

2.2 Label elements

Pictograms hazardous: ---

password warning: ---

Phrases threat:

H412 Harmful to aquatic organisms, causes long-term changes.

Phrases determining conditions of safe use

P102 Keep away from children

P101 If swallowed, seek medical advice immediately; Check the label or packaging

P271 Use outside or well ventilated room

P273 Avoid release to the environment

2.3 Other hazards

In accordance with Annex XIII of REACH on the PBT and vPvB mixture does not meet the criteria for PBT and vPvB.

SEKCJA 3 COMPOSITIONS OF INGREDIENTS

Bauter Reflective Paint is the mixture of the acrylic copolymer aqueous dispersion, water, mineral filler, pigment, auxiliaries as defoamers, dispersants, biocides and the coalescing means

The product does not contain ingredients which constitute a threat to human health and the environment,.

Version V

composition mixture:

3.2.1.a. Hazardous ingredients in the mixture

The substance forming part of the product	No CAS	Concentration	Registration of substances
2-metylo-2H-izotiozol-3-on	CAS: 2682-20-4 WE: 220-239-6	<0,001	Acute Tox 3 H301; H330 Skin Corr 1B H314; H318 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Skin Sens Imt 2 H315 Acute Tox 4 H302
Pirotionian cynku	CAS: 13463-41-7 WE: 236-671-3	<0,01	Acute Tox 3 H301 Acute Tox 4 H332 Aquatic Acute 1 H400
Tlenek cynku	CAS: 1314-13-2	<0,02	Aquatic Acute 1 H400 Aquatic Chronic H410
Terbutryn	CAS: 886-50-0 WE: 212-950-5	<0,01	Aquatic Chronic H410 Acute Tox 4 H302 Skin Sens 1 H317

3.2.1.b hazardous substances in the workplace

Calcium carbonate CAS 1317-65-3; WE: 215-279-6 Off with registration

Titanium dioxide (TiO₂) CAS: 3463-67-7; WE: 236-675-5

REACH Registration No. 01-2118489379-17-0014

Kaolin CAS 1332-58-7, WE 310-194-1

Due to the high viscosity of the product is not possible aspiration of the substance to the airways in the same stage in the application of the product.

Other informations

For classification of a product adopted the actual content of hazardous components. shelf life of the products in the conditions in accordance with Section 7 is 12 months from the date on the packaging.

SECTION 4 FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation: No risk, work in a ventilated area. When possible faint provide fresh air and contact your doctor.

Skin contact: The product generally does not cause irritation, possibly irritated skin, wash with soap and water and if necessary consult a doctor.

Eye contact: Rinse for several minutes with clean water with open eyelid.

Ingestion: Rinse for a few minutes mouth with clean water, do not induce vomiting and contact a doctor

4.2 Both acute and delayed symptoms and effects of exposure

No other available information

4.3 Indication of any immediate medical attention and special treatment needed

No other available information

SECTION 5 FIRE FIGHTING MEASURES

5.1 Extinguishing

The product is **non-flammable** in the event of a fire in the vicinity of this product use extinguishing media appropriate for burning in the vicinity of the material. As extinguishing agents used:

- water spray
- foam
- CO₂

5.2 Special hazards arising from the substance or mixture

After evaporation of water from the product during a fire may liberate carbon oxides (CO,CO₂)

5.3 Information for fire brigade

Full protective clothing and respiratory protective equipment.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing and be cautious, because the product after dilution with water is a danger of slipping.

6.2 Precautions for environmental protection

Prevent product from entering the sewage system, drinking water supply, groundwater and surface water

6.3 Methods and materials for containment and cleaning up

Stop the leak and isolate the affected area. Cover with spill absorbent material (sand, diatomaceous earth, sawdust). Material suitable container and refer to disposal. Clean up the site and eventually wash with water.

SECTION 7 HANDLING AND STORAGE

7.1 Safety precautions proceedings

Follow the general rules of occupational health and safety. Ensure good ventilation. Security measures are not necessary.

7.2 Conditions for safe storage, including information about any incompatibilities

Store in ventilated areas at temperatures between + 5°C to + 25°C in sealed packaging unit. Packages set upright in places not too much sunlight away from heat sources. It is not recommended to store the product in the packaging of metal without security alcalio and steel.

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Parameters Control

8.1.1 Standards allowable concentrations

Standards maximum permissible concentrations in the air for the environment harmful substances included in the product.

Dust calcium carbonate NDS-10mg / m³

Dust di-titanium oxide (titanium white) NDS-10mg / m³ and- NDSCH 30mg / m³ **Note:** The above standards apply to NDS / the substance in powder form. The product consisting of those substances in the form liquid and does not cause dusting.

8.2 Exposure controls**8.2.1 Applied technical means of control**

Provide ventilation or airing jobs.

8.2.2 Individual protection measures, such as personal protective equipment.**8.2.2.1 Personal Protection**

Protective measures in accordance with the principles of compliance with the basic health and safety regulations.

8.2.2.2 Personal protective equipment

Face and eyes protections	wear glasses
Skin protection	wear clothes and shoes
Respiratory protection	not required
Thermal hazard	not applicable

Before breaks and after work wash hands and face. Avoid contact with skin and eyes.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic properties**

Physical state	homogeneous medium viscous liquid
Appearance	white
Odour	characteristic
pH	Alcalic
Melt temperature	0°C (water)
Boiling temperature	100°C (water)
Flammable	not flammable
Upper/Lower flammable limit	does not apply to
Density 20°C	0,8-0,9 g/cm ³
Solubility	in water
Viscosity Ford 10/25°C (50 cm ³)	10-30 s

SECTION 10 STABILITY AND REAKTIVITY**10.1 Reactivity conditions of use is not known.****10.2 Chemical stability**

The product is stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions

Lack.

10.4 Conditions to avoid

Lack.

10.5 Incompatible materials

Avoid materials that react with water dangerously.

10.6 Hazardous decomposition products

They are not known.

SECTION 11 INFORMACJE TOXICOLOGICAL INFORMATION

The product was not subject to toxicological studies. Threat assessment was based on the data sheets for substances listed in Section 3

11.1 Information on toxicological effects**11.1.1 Acute toxicity**

Based on available data, the classification criteria are not met.

11.1.2 Measures irritant

Based on available data, the classification criteria are not met.

11.1.3 action caustic

Based on the available data, the product is not classified in this group.

11.1.4 sensitization activities

Based on available data, the product is not classified in this group. After evaporation of water the product is difficult to wash the skin and its removal can cause mechanical irritation.

11.1.5 Carcinogenic

Based on the available data, no indication of a carcinogenic effect.

11.1.6 Measures mutagenie

Based on the available materials, the classification criteria are not met.

11.1.7 Reproductive Toxicity

Based on the ingredients of the mixture no evidence the product's reproduction.

11.1.8 Developmental Toxicity

No information available materials.

11.1.9 toxicity target organs (STOT)

Based on available data, the classification criteria for the hazard class STOT SE and STOT RE are not met.

11.1.10 Other relevant toxicity

According to our experience and the information available at the appropriate handling and use as intended the product does not have harmful properties.

SECTION 12 ECOLOGICAL INFORMATION**12.1 Acute toxicity**

Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability

It is not easily degradable and biotically and abiotically.

12.3 Bio accumulative

Lack of capacity to bio accumulates.

12.4 Mobility in soil

It has low mobility in most soils.

12.5 Results of PBT and vPvB

Does not meet the criteria for PBT and vPvB

12.6 Other adverse effects

There are no known adverse effects.

12.7 Additional information

According to the recipe and available information on the individual components of the mixture, it does not contain any substances that affect the AOX value of the waste water.

SECTION 13 DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Indications: Smaller quantities can be disposed of with household waste.

European Waste Catalogue

08.01.12 waste paint and varnish other than those mentioned in 08.01.11

01.08.18 Waste from paint and varnish other than those mentioned in 01.08.17

01.15.02 plastic packaging

Collect waste material for disposal (incineration) in installations or devices that meet the requirements in accordance with applicable regulations. Used containers pass to companies involved in the recycling of packaging waste. The product is not classified as dangerous and in accordance with international transport codes do not require labeling: RID, ADR, IMDG, IATA

SECTION 14 TRANSPORT INFORMATION**14.1 UN number / number of UN**

Not applicable

14.2 Proper Shipping Name

Not applicable

14.3 Class (s) Transport hazard

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental Hazards

Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex I of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15 REGULATORY INFORMATION**15.1 Safety, health and environmental protection specific to substances and mixtures**

- Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directive 67/548 / EEC and 1999/45 / EC, and amending Regulation No 1907/2006
- EU Commission Regulation No. 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals REACH published in the Official Journal. At No. 133 of 31 May 2010 (zał.1)
- Act on chemical substances and mixtures of 25 February 2011 (OJ No. 63 poz.322 of 2011)
- Regulation of the Minister of Health and Social Policy of 29 November 2002r (OJ No. 217 poz.1833), as amended (OJ nr212 poz.1769; OJ No. 161, item. 1142 of 30 August 2007; OJ 105 poz.879 of 2009; OJ No. 141poz. 950 of 2010) on the maximum allowable concentrations and intensity of harmful factors in the work environment.
- Waste Act of 27 April 2001r (consolidated text OJ nr185 item. 1243, as amended)
- Regulation of the Minister of Environment on waste catalog of September 27, 2001 (Journal of Laws No. 112 item 1206)

- Regulation of the Minister of Health of 2 February 2011 on the tests and measurements of health hazard factors in the work environment (OJ No. 33 poz.165)
- Directive of the European Parliament 2008/98 / EC of 19 November 2008 on waste and repealing certain Directives

SECTION 16 OTHER INFORMATION

The user of the product is fully responsible national law for the fulfillment of the requirements for safe use of the product. Card can not be treated as a guarantee of product properties.

16.1 Hazard statements

- H301 - Toxic if swallowed
- H302 - Harmful if swallowed
- H314 - causes severe skin burns and eye damage
- H315 - Irritating to skin
- H317 - can cause allergic skin reaction
- H331 - Toxic if inhaled
- H400 - Very toxic to aquatic organisms
- H410 - Very toxic to aquatic life with long lasting effects

These symbols and phrases relate to the risks posed by the pure substances listed in section 3.2.1. They do not refer to the mixture.

16.2 Conditions for safe use

- P102 Keep away from children
- P101 If swallowed, seek medical advice immediately; Check the label or packaging

16.3 Abbreviations

- ADR / RID European Agreement Concerning the International Carriage / dangerous goods by rail
- CAS number Chemical Abstracts Service
- IATA International Air Transport Association
- NDS Maximum concentration
- PBT bioaccumulative toxic and exhibiting very high bioaccumulative

16.4 Reference to data sources

Safety Data Sheets of raw material suppliers, the available information and technical literature

16.5 Changes to the previous version

Changing laws.

All Sections cards adapted to Annex 2 of the Commission Regulation No. 453/2010 UN The information was compiled based on current knowledge and experience; product as such as it is manufactured and is indicated for safe use.