

Date of the document:
14/12/2017

MIXTURE SAFETY DATA SHEET

PiroCoat I

Section 1: Identification of the mixture and identification of the company.

1.1 Product identifier: PIROCOAT I

1.2 Relevant identified uses of the mixture and uses advised against: Fireproof paint in a vinyl acrylic resin solution swelling at high temperatures. For the fire protection of steel structures. For professional use.

1.3 Details of the supplier of the safety data sheet:

Pirosystem Sp. z o.o.
ul. Ogrodnicza 3A
83-021 Wiślina
Tel.: +48 58 342 23 85 (8am - 4pm)
Fax: +48 58 342 24 00
e-mail: biuro@pirosystem.pl

Emergency telephone number
Tel.: +48 58 342 23 85 (8am - 4pm)

The emergency telephone numbers for toxicological information according to regions can be found in section 16.

Section 2: Hazards identification

2.1 Classification of the mixture: The mixture has not been classified as hazardous.
Classification according to Regulation (EC) No. 1272/2008 of 16 December 2008 on the classification, labelling and packaging of substances and mixtures (CLP)

Health hazards: None.
Physical hazards: None.
Environmental hazards:
None.

2.2 Marking elements:

None.

2.3 Other hazards: None.

The mixture does not meet the PBT and vPvB criteria in accordance with Annex 13 to Regulation (EC) No. 1907/2006.

Section 3: Composition and information on ingredients

3.2 Mixture

Description of the mixture: a mixture of organic solvents, fillers, and excipients

Dangerous components:

Name	Numbers	REACH registry numbers:	Classification 1272/2008	%wt.
Ethanol, 2-butoxy-	CAS: 111-76-2 EC: 203-905-0	01-2119475108-36-xxxx	Acute Tox. 4; H302 Acute Tox. 4; H312 Acute Tox. 4; H332 Eye Irrit. 2; H319 Skin Irrit. 2; H315	1 – 2
Tri (2-chloro-1-methylethyl) phosphate	CAS: 13674-84-5 EC: 237-158-7	01-2119447716-31-xxxx	Acute Tox. 4; H302	1 – 2

For the full text of the hazard indications, see section 16.

Section 4: First aid measures

4.1 Description of first aid measures

Routes of exposure: Through the respiratory tract, through contact with the skin and eyes, and through the

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digestive tract.

If inhaled:

In the case of dizziness or nausea, exit the premises and move to an area with fresh air. Consult a doctor if there is no improvement.

After contact with skin:

Remove any contaminated clothing. Wash skin with soap and water. In the case of burns, apply sterile dressing. If the irritation is persistent, consult a doctor.

Eye Contact:

Remove contact lenses. Rinse your eyes with opened lids for a few minutes with plenty of water. Get medical attention immediately.

If swallowed:

Do not induce vomiting. Rinse your mouth and drink plenty of water. In the case of persistent symptoms, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

None.

4.3. Indication of any immediate medical attention and special treatment needed

The doctor decides on how to proceed after assessing the condition of the victim.

Section 5: Fire fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide, foam, powder, or water jet.

Prohibited extinguishing media:

High pressure water jet.

5.2. Particular hazards related to the mixture

The mixture is not flammable. As a result of increased temperature, harmful gases may be emitted.

5.3. Advice for firefighters

When extinguishing a fire, use self-contained breathing apparatus and full protective clothing.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin. Do not breathe vapours. Use protective gloves made of butyl rubber, nitrile rubber, or neoprene. If there is a need to eliminate the damage, wear a gas-tight protective clothing and a respirator isolating the respiratory tract.

6.2 Environmental precautions

Prevent from spreading and entering drains and reservoirs. Stop or absorb leaking liquid with sand, earth, or other suitable materials. If the substance has entered a reservoir or canal, or has been spilled onto the soil and vegetation, notify the fire brigade.

6.3 Methods and materials for containment and cleaning up of contamination:

Collect the product mechanically. Collect with absorbent materials (e.g. sand, earth, universal binders, silica, sawdust, etc.). Removal should be done by specialised services - the fire brigade.

6.4 References to other sections

Personal protective equipment - section 8.

Waste handling – section 13.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Follow the generally applicable rules for the handling of chemicals. Immediately remove contaminated clothing. Do not inhale vapours, avoid direct contact with the skin and eyes. Do not eat, drink or smoke when working. Before the break and after finishing work, wash your hands thoroughly. Ensure proper ventilation.

Keep away from heat and fire.

7.2 Safe storage conditions, including information on any incompatibilities

Keep in a cool, ventilated place, in the original original packaging. Protect from direct sunlight and temperatures

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above 30°C. Do not store together with strong oxidants, strong acids, or hydroxides.

7.3 Specific end use(s)

None.

Section 8: Exposure controls and personal protection means

8.1 Control parameters

Hygienic norms for the working environment in accordance with the Regulation of the Minister of Labor and Social Policy of June 2014 on the Highest Permissible Concentrations and Intensities of Harmful Factors in the Working Environment (Journal of Laws 2014, item 817).

Components with limit values that require monitoring at the workplace:	
Ethanol, 2-butoxy-	TLV: 40 mg/m ³ , NDSCh: 80 mg/m ³

8.2. Exposure controls

Suitable technical control measures: Appropriate ventilation at work stations.

Individual protection means:

Eyes and face protection: Avoid contact with eyes.

Skin protection: Work clothes made of dense fabric. Avoid contact with skin.

Hand protection: Use protective gloves made of butyl rubber, nitrile rubber, or neoprene. Wash hands after use.

To avoid drying of the skin, use a protective cream.

Airways protection: Use in well ventilated areas.

Environment exposure control:

Do not allow large quantities of the product to reach ground water, drains, sewers, or soil. If solutions with the product are drained to the sewage system, the applicable regulations must be observed.

Section 8: Exposure controls and personal protection means

9.1 Information on basic physical and chemical properties

Appearance:	thick, grey liquid
Fragrance:	specific
PH value at 20°C:	N/A
Boiling temperature:	no data available
Melting/freezing point:	N/A
Flash point:	N/A
Flammability:	no
Explosive properties	no
Oxidizing properties:	no
Vapour pressure 20°C:	N/A
Density at 20°C:	1.45 g/cm ³
Solubility	not soluble in water
Viscosity;	no data available
Other properties:	none

9.2 Other information

None.

Section 10: Stability and reactivity

10.1 Reactivity

The mixture is not chemically reactive in normal conditions.

10.2. Chemical stability

During normal use and proper storage, the mixture is chemically stable.

10.3. Possibility of hazardous reactions

None.

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10.4. Conditions to avoid:

Avoid direct sunlight and temperatures above 30°C.

10.5. Incompatible materials

Avoid contact with strong oxidants, strong acids, and hydroxides.

10.6. Hazardous Decomposition Products

The product does not decompose when used according to the intended purpose.

Section 11: Toxicological information

11.1 Information on toxicological effects Acute toxicity:

2-butoxyethanol: LD₅₀ (rat, orally): 1500 mg/kg.

Routes of exposure: respiratory tract, skin contact, eye contact, digestive tract.

Possible effects of exposure to the mixture through:

Respiratory tract: Irritation of the mucous membrane of the respiratory tract may occur.

Contact with skin: May cause irritation skin

Eye Contact: Irritation and watering eyes may occur.

Digestive tract: May cause irritation of the mouth, esophagus, and gastrointestinal mucous membrane.

Section 12: Ecological information

12.1 Toxicity

No experimental data on the mixture.

12.2 Persistence and degradability

No experimental data on the mixture.

12.3 Bioaccumulative properties

No data

12.4 Mobility in the soil

The mixture is mixed with water and can spread in water and soil.

12.5 Results of the assessment of PBT and vPvB characteristics

The mixture contains no substances considered to be PBT or vPvB

12.6. Other adverse effects

No data

Section 13: Disposal considerations

13.1 Waste treatment methods

Neutralisation should be carried out by specialised companies, and waste disposal should be agreed on with the relevant environmental department.

According to the Act on waste of 14 December 2012 (Journal of Laws No. 0 item 21), and the Regulation of the Minister of the Environment of 9 December 2014 on the waste catalogue (Journal of Laws of 2014, item 1923) .

The waste code was determined on the basis of the criteria contained in the regulations in force. If the mixture has been used in any further process, the end user should define the resulting waste and assign the appropriate code.

Remains of the mixture, waste code: 08 01 12 (waste paint and varnish other than those mentioned in 08 01 11)

Packaging:

Packaging emptied from the remains of the mixture, waste code: 15 01 04 (metal packaging),

Section 14: Information on transport

The mixture is not subject to international regulations on the transport of dangerous goods.

Section 15: Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18.12.06 on the Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (EU Official Journal L 396, 30.12.2006, as amended),
- Regulation (EC) no. 2015/830 of 28 May 2015 amending the Regulation (EC) No. 1907/2006 of the European Parliament and the Council on registration, evaluation, authorisation and restriction of chemicals (REACH),
- Regulation (EC) No. 1272/2008 of 16.12.2008 on the 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 (EU Official Journal L 353, 31.12.2006, as amended),
- Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (EU Official Journal L 204 , 31/07/2008),
- The Act on chemical substances and their mixtures of 25 February 2011 (Journal of Laws 63, item 322, as amended),
- Regulation by the Minister of Health of 10.08.2012 on criteria and the method of classification of chemical substances and their mixtures (Journal of Laws 2012, item 1018, as amended),
- Regulation of the Minister of Health of 11 June 2012 on the category of dangerous substances and dangerous mixtures, the packaging of which is equipped with child-resistant closures and a tactile warning of danger (Journal of Laws 2012, item 688, as amended),
- Regulation of the Minister of Health of 22 May 2012 on the way of marking places, pipelines, and containers and tanks used for storing or containing dangerous substances or dangerous mixtures (Journal of Laws, No. 601),
- Regulation of the Minister of Health of 20 April 2012 on Labelling of Packaging of Hazardous Substances, Hazardous Mixtures and Some Mixtures (Journal of Laws 2012, item 445),
- Act of 14.12.12 on waste (Journal of Laws 2013 No. 0, item 21),
- The Act of 13 June 2013 on packaging and packaging waste management (Journal of Laws No. 2013, item 888),
- Regulation of the Minister of the Environment of 9 December 2014 on the waste catalogue (Journal of Laws 2014, item 1923),
- The classification of hazardous goods according to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).
- Regulation of the Minister of Labour and Social Policy of June 2014 on the Highest Permissible Concentrations and Intensities of Harmful Factors in the Working Environment (Journal of Laws 2014, item 817),
- Regulation of the Minister of Labour and Social Policy of 26 September 1997 on general health and safety at work (Journal of Laws 2003, No. 169, item 1650, as amended),
- Regulation of the Minister of Economy of 21 December 2005 on Essential Requirements for Personal Protective Equipment (Journal of Laws 2005, No. 259, item 2173),
- Regulation of the Minister of Health of 2 February 2011 on Testing and Measurement of Harmful Factors in the Working Environment (Journal of Laws 2011, No. 33, item 166),
- Regulation (EC) No. 648/2004 of the European Parliament and of the Council of 31.03.04 on detergents, as amended on 25.06.09 by Commission Regulation (EC) No. 551/2009, as amended,
- and other legal acts within their scope.

15.2 Chemical Safety Assessment

No data.

Section 16: Other information

Full text of phrases in Section 3:

H302 Toxic if swallowed

H312 Toxic in contact with skin

H315 Irritating to skin

H319 Irritating to eyes

H332 Harmful if inhaled

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Acute Tox. 4 H302 – Acute oral toxicity, category 4
Acute Tox. 4 H312 – Acute skin toxicity, category 4
Acute Tox. 4 H332 – Acute respiratory toxicity, category 4
Eye Irrit. 2 H319 – Irritating to the eyes, category 2
Skin Irrit. 2 H315 – causes skin irritation cat. 2

The above indications refer to the components and do not constitute a classification of the mixture.

Version:1.0

Comment:

1. The safety data sheet of a dangerous product is directly transferred to the product distributor without warranty or guarantee as to the completeness and detail of all information or recommendations contained therein.
2. The card was made at the Consultancy Company SpecChem, ul. Śląska 12/13, 70-432 Szczecin, tel. 606-874-162, e-mail: biuro@specchem.eu <http://www.specchem.eu> represented by: Krzysztof Kapczyński, M.Eng., based on information obtained from the manufacturer of the product and materials from his own database.
3. The information in this sheet represents the current state of knowledge and experience regarding the safe use of the product.

EMERGENCY TELEPHONE NUMBERS ACCORDING TO REGION

+4842631 4725 - National Toxicology Information Centre - Łódź
+4842631 4767 - Institute of Occupational Medicine - Łódź
+4858682 0404 - Pomeranian Centre of Toxicology - Gdańsk
+4822619 6654 - Office of Toxicology Information - Warsaw
+4861847 6946 - Toxicological Information Centre - Poznań
+4812411 9999 - Toxicology Information Centre at the Collegium Medicum of the Jagellonian University - Kraków

PASSIVE FIRE PROTECTION