



CHARACTERISTIC CHART

according to regulation (WE) no 1907/2006 dated December 18, 2006

in the matter of REACH

1. Identification of preparation and company.

Name of preparation: STYROTON

Identification of company: PPHU STYRO Jacek Przetakiewicz

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95-054 Ksawerów,
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Alarm phone: 998 (Fire brigade) 24 hours

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2. Identification of hazards.

Product is classified as dangerous in accordance with the binding regulations.

Classification:

Component A: Xi: R36/37/38

Component B: does not concern

Physical chemical hazard

Component A and B: unknown

Hazard for health

Component A: Irritating product Irritating for eyes, air passages and skin.

Component B: unknown

Negative symptoms and effects of product acting – see point 11.

Hazard for environment

Product is not classified as dangerous for environment.

3. Composition and information about components.

Component A

Ord. no	Name	Content	No CAS	No WE	index no	Classification
1	Portlant cement*	<35%	65997-15-1	266-043-4	-	Xi, R36/37/38,

*) substances is not mentioned in the index of dangerous substances shown in Table A in Regulation of Minister of Health dated October 14, 2005 (Journal of Law item 1674 with further changes) in the matter of dangerous substances index together with classification and marking. Classification comes from the producer of cement.

Component B – is a specially matched dispersion of acryl polymer and does not contain substances classified as dangerous in concentration demanding to be taken into account according to Regulation of Minister of Health dated September 2, 2003 concerning the criteria and way of classification of chemical substances and preparations (Journal of Law dated 2003 No 171, item 1666 with further changes).

4. First aid.

General directions.

In case of occurring of poisoning symptoms call a doctor or deliver a victim to the hospital. Do not use any antidote or any neutralizers that are not recommended in the below chart or by a doctor. Do not give anything orally for the unconscious person; settle down in lateral position, secure calm, protect against coolness, control breathe and pulse. Present to medical staff, if it is possible, the label or characteristic chart.

Respiration.

Leave (or take away a victim) from the place of hazard. Ensure warmth, calm and inflow of fresh air. After stoppage of respiration apply the artificial respiration and immediately ensure the medical help. Ensure the medical help in case of bad feeling, keeping up or intensifying of symptoms.

Swallow.

Do not cause vomiting. Do not give anything to drink. Immediately ensure the medical help.

Contamination of eyes.

Remove eyes lenses. Do not use any neutralizers. Clean eyes with big amount of cool water for about 15 minutes. Avoid the strong stream of water because of risk of the cornea damage. Consult oculist.

Contamination of skin.

Remove the contaminated clothing. Clean the skin with a big amount of cool water (with soap, if there are no changes). At continuous irritation consult a doctor.

5. Proceeding in case of fire.

General recommendations.

Inform attendants about the break-down. Remove all people, not involved in elimination of break-down, from the region of hazard. If necessary, order the evacuation. Put out small fires with the handy extinguishing media, in case of big fires call Fire Brigade and Police.

Fire hazard.

Product is non-flammable.

Extinguishing media: suitable for flammable materials.

Improper extinguishing media: no data

Fire: extinguish according to firing materials.

Special hazards: unknown

Special protective equipment: does not concern

6. Proceeding in case of non-planned release into environment.

General recommendations.

None

Individual protective measures.

Avoid contact with skin and eyes. Do not breathe powders. In case of necessity use the individual protective measures – see point 8.

Care measures in the range of environmental protection.

Do not admit to get in the product to the surface water and sewerage.

Hazard control at work environment.

Protection of air passages: masks with powder absorbents.

Protection of hands: protective gloves

Protection of eyes: goggles

Protection of skin: protective clothing

Notice: according to the obligatory regulations the used individual protective measures should have the suitable certificates. The employer is obliged to confirm that the used individual protective measures, working clothing and shoes have the protective properties, and to ensure the proper washing, maintenance, repair and disinfection.

9. Physical and chemical properties.

- Form	<i>Component A:</i> solid, loose body <i>Component B:</i> milky-white liquid
- Colour:	white
- Odour:	characteristic
- pH:	7-8
- Density:	<i>Component A:</i> does not concern <i>Component B:</i> approx. 1 g/cm ³
- Temperature of boiling:	<i>Component A:</i> does not concern <i>Component B:</i> approx. 100°C
- Temperature of melting:	no data
- Temperature of distribution:	no data
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- Ignition temperature:	does not concern
- Self-ignition temperature:	does not concern
- Explosive properties:	none
- Oxidizing properties:	no data
- Vapour pressure:	no data

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- Relative density: no data
 - Solubility/mixing in water: *Component A:* is not soluble
Component B: dilute
 - in organic solvent: *Component A:* is not soluble
Component B: is not soluble
 - Coefficient of division of n-octanol-water: no data

10. Stability and reactivity.

Stability.

In normal temperature and pressure conditions the product is stable and does not react dangerously with other substances.

Conditions and factors which should be avoided.

Do not occur in normal conditions.

Dangerous decomposition products.

Do not occur in normal conditions.

11. Toxicological information.

Hazard for health.

For component A: Product is irritating, irritates eyes, air passages and skin.

For component B: does not concern

Effects of hazard for people:

Inhalation (powders): irritation of nose, throat and lungs, feeling of suffocate (component A).

Contact with skin: it may irritate (reddening, drying, itching). In some people the cement powders may cause allergic reactions leading to dermatitis.

Contact with eyes: irritation of eyes (eyeburn, ache reddening, watering), and in some cases it may cause the damage of cornea (component A).

Orally: there are symptoms of the inhalation poisoning (component A).

Component B: no data about the harmful effect of man's health.

Strong toxicology.

No data for the give product. Below the accessible data for cement are given:

LC0, rat, inhalation >1 mg/l/4 h

Effects and symptoms of chronic hazard: (component A): hazard for powders may cause the chronic sinusitis, tonsillitis and laryngeal, bronchi asthma, pneumoconiosis, emphysema. At people hypersensitive it may cause dermatitis.

12. Ecological information.

Hazard for environment.

Product is not classified as dangerous for environment.

Ecotoxicology: no data for product and its components.

Mobility: no data

Life and distribution: no data

Ability for biocumulation: no data

Effects of PBT estimation: no data

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13. Proceeding with the waste products.

If it is possible, recover the waste products. According to the law obligatory in Poland, rendering harmless, recovery and recycling of waste products are done by companies having the suitable authorization, to such companies these waste products can be passed. In case of doubt, the way of proceeding should be agreed with the regional agency of Environment Protection Inspection.

Remove of waste product: Waste products are not dangerous in accordance with the obligatory regulations. Do not remove to sewerage. Do not admit to the surface and ground contamination. Product after mixing with water becomes harden, it can be treated then as building crush.

The recommended way of neutralization: storage.

Code of waste (component A or both components after mixing and hardening):

17 01 01 – concrete wastes and concrete crush from the building demolition and repairs.

17 01 07 – mixed wastes from concrete, brick crush, ceramic waste materials and other equipment elements not mentioned in 17 01 06.

Way of removal of D1: storage in bulk on the open storage yard organized so that it does not cause hazard for people's health and life and environment.

Removal of packages: used packages of products treat as normal package wastes which may be passed for utilization or recycling.

Code of waste: 15 01 01 – wastes from paper and card board.

14. Information about transportation.

Product does not refer to regulations concerning the dangerous product transportation.

15. Information concerning the law regulations.

Marking on label.

Identification: Styroton P

Warning symbols:

Xi

Xi – irritating product



Determination of hazard (R):

For component A:

R 36/37/38 – acts irritating for eyes, air passages and skin.

For component B: none

Determination concerning the proper proceedings (S):

For component A:

S 2 - protect against children

S 22 - do not breathe powder

S 25 - avoid contamination of eyes

S 26 - the contaminated eyes wash immediately with big amount of water and consult a doctor

S 36 - wear the proper protective clothing

For component B: none

Legal grounds:

Regulation of Work and Social Policy Minister dated 29 November 2002 concerning the highest permissible concentration and intensity of noxious agents for health at work environment (Journal of Law dated 2002 no 217 with item 1833 with further changes).

Regulation of Minister of Health dated 21 December 2005 concerning the principle demands for agents of individual protection measures (Journal of Law dated 2005 no 259, item 2173).

Act dated 11 January 2001 about chemical substances and preparations (Journal of Law dated 2001 no 11 item 84 with further changes).

Regulation of Minister of Health dated 2 September 2003 concerning criteria and way of classification of chemical substances and preparations (Journal of Law dated 2003 no 171, item 1666 with further changes).

Regulation of Minister of Health dated 5 March 2009 concerning the marking of packages of dangerous substances and preparations, and some chemical preparations (Journal of Law dated 2009 no 53 item 439 with further changes).

Regulation of Minister of Health dated 14 October 2005 concerning the index of dangerous substances together with their classification and marking (Journal of Law dated 2005 no 201 item 1674 with further changes).

Regulation (WE) no 1907/2006 of European Parliament and Council dated 18 December 2006 concerning the registration, estimation, giving allowances and proper limits of chemicals (REACH).

Regulation of Minister of Health dated 30 April 2004 concerning dangerous substances and preparations which packages are delivered in closures make difficult for children to open and with the sensible touch warn about danger (Journal of Law date 2004 no 128 item 1348).

Act dated 27 April 2001 about wastes (Journal of Law dated 2001 no 63, item 638 with further changes).

European Agreement concerning the international road transportation of dangerous goods ADR (obligatory since 10.01.2005) (Journal of Law dated 2005 no 178, item 1481).

Act dated 28 October 2002 about the road transportation of dangerous goods (Journal of Law no 199, item 1671 with further changes).

16. Other information.

The above information are prepared on the basis of the present state of knowledge and experience but they do not give the guarantee of product property nor the quality specification and they cannot be the basis for complaint. The product should be transported, kept and used according to the current regulations and good usage and work hygiene. The producer is not responsible for the losses resulting indirectly or directly from the usage of the

above interpretation of regulations or instructions. The presented information cannot be used for mixture of product with other substances. Usage of the given information as well as the usage of product are not controlled by the producer, so the obligation of user is to create the proper conditions of safe handling with product.

Sources materials:

Charts of components characteristic of the preparation.

Index of hazard symbols and expressions R and S:

- | | |
|------------|--|
| Xi | - irritating product |
| R 36/37/38 | - acts irritating for eyes, air passages and skin |
| S 2 | - protect against children |
| S 22 | - do not breathe the powder |
| S 25 | - avoid contamination of eyes |
| S 26 | - the contaminated eyes wash immediately with big amount of water and consult a doctor |
| S 36 | - wear the proper protective clothing |