



CHARACTERISTICS CHART

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

I in the matter REACH

1. Identification of preparation and company.

| | |
|---------------------------------------|--|
| Name of preparation: | STYROTON P |
| Identification of company: | PPHU STYRO Jacek Przetakiewicz |
| Place: | ul. Wschodnia 84a, 95-054 Ksawerów, Tel. 0510 050 069, 0 606 989 635 (hours: 9-17) |
| Alarm phone: | 998 (Fire brigade) 24 hours |
| E-mail address of responsible person: | jacek@styro.pl |
| Date of chart preparation: | 26.06.2008 |
| Date of revision: | 11.01.2010 |

2. Identification of hazards.

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

Classification: Xi: R36/37/38

Physical chemical hazard

Unknown

Hazard for health

Irritating product. Irritating for eyes, air passages and skin. It may cause allergy in contact with skin.

Negative symptoms and effects of product – see point 11.

Hazard for environment

Product is not classified as dangerous for environment.

3. Composition and information about components.

| 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,R43 |

*) substance is not mentioned in the specification of dangerous substances shown in Table A in Regulation of Ministry of Health dated October 14, 2005 (Journal of Law No 201 item 1674 with further changes) in the matter of dangerous substances specification together with later classification and marking.

4. First aid.

General directions.

On case of occurring of poisoning symptoms call a doctor or deliver the sick person to the hospital, show the label or package of product. Do not use any antidote or any neutralizer that are not recommended in the below chart or by a doctor.

Do not give anything orally for unconscious person.

Present to medical staff, if it is possible, the label or characteristic chart.

Contamination of eyes

Remove eyes lenses. Do not use any neutralizer.

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.

Contamination of skin.

Remove the contaminated clothing. Clean the skin with the big amount of cool water (with soap, if there are no changes).

At continuous irritation consult a doctor.

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.

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.

5. Procedure in case of fire.

General recommendations.

Inform others about break-down.

Remove all people taking part in the elimination of break-down from the region of hazard.

If necessary, give the disposal of evacuation.

In case of big fires call the fire-brigade and police.

Fire hazard.

Product is non-flammable.

Extinguishing media: suitable for flammable material

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 directions.

Inform others about the break-down.

Remove all people, not involved in elimination of break-down, from the region of hazard.

Individual protective measures.

Avoid contact with skin and eyes. Do not respire powder.

In case of necessity use means of individual protection measures – see point 8.

Care means in the range of the environmental protection.

Protect sink basins.

Do not admit to get in of product into the surface water.

Methods of cleaning.

Seal the damaged package.

Collect the spread product into a container, pour the contaminated surface with water.

Remove wastes according to the regulations being in force (see point 13).

7. Proceeding with the preparation and its storage.

Proceeding with substance.

Do not eat, drink during usage, avoid respiration of powder.

Product after mixing with water gives the alkaline reaction – avoid contact with eyes.

Wash hands during breaks at work. Do not use contaminated clothing.

Keep principles of the individual hygiene.

If necessary, use the individual protective measures (as given in point 8).

Work in a very well-ventilated rooms.

Storage.

Store in the original, well-marked, tight-closed package, in dry places.

8. Control of hazard and individual protective measures.

General directions

Avoid respiration of powder. Work in the permeable to air or ventilated rooms.

If necessary, use protective measures of air passages.

Allowable concentration at work environment.

No data concerning product. Below the data of dangerous components are given.

Cement powders.

Total powder 6 mg/m³

Respirable powder 2 mg/m³

Recommended methods of monitoring.

PN-Z-04030-06: 1991 Protection of air purity – Examinations of powder content – Designation of respirable powder at work places using filtrating-weight method.

PN-Z-04030-05: 1991 Protection of air purity – Examinations of powder content – Designation of total powder at work places using filtrating-weight method.

The highest permissible concentration in the biological material: no data

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 regulations being in force the used individual protective measures must 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 confirm the proper washing, maintenance, repair and disinfection.*

9. Physical and chemical properties.

General information.

- Form solid, loose body
- Colour creamy
- Odour none

Important information concerning health, safety and environment.

- pH >7 after mixing with water
- density does not concern
- temperature of boiling does not concern
- ignition temperature does not concern
- spontaneous ignition temp. does not concern
- explosive properties does not concern
- oxidizing properties none
- vapour pressure does not concern
- relative density does not concern
- solubility/mixing in water does not dissolve
- coefficient of division of
n-octanol-water no data

Other information

- melting point >1000°C
- breakdown temperature does not concern

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.

Irritating product. Irritates eyes, air passages and skin.

Effects of hazard for people:

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

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 at some cases it may cause the damage of cornea.

Orally: there are symptoms of the inhalation poisoning.

Strong toxicology

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

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

Symptoms of the chronic hazard:

Hazard for powders may cause the chronic sinusitis, tonsillitis and laryngeal, bronchi asthma, pneumoconiosis, emphysema, 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 ability for distribution.

No data.

Ability for biocumulation.

No data.

13. Proceeding with the waste products.

If it is possible, recover the waste products. According to the law being in force 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 water 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: 17 01 01 – concrete wastes and concrete crush from 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 D1: storage in bulk on the open storage yard organized so that it does not cause hazard for health or people's life and environment.

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

Cod 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):

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

Determination concerning the proper proceeding (S):

S 2 – protect against children

S 22 – do not aspirate the powder

S 24/25 – avoid contamination of skin and eyes

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

S 36/37 – wear the proper protective clothing and gloves.

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 202 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 and 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 dated 2004 no 128 item 1348).

Act dated 27 April 2001 about wastes (Journal of Law dated 2001 no 62, item 628 with further changes).

Regulation of Minister of Environment dated 27 September 2001 concerning the catalogue of wastes (Journal of Law dated 2001 no 112, item 1206).

Act dated 11 May 2001 about packages and package 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 1.01.2005) (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.

Date of chart preparation: 26.06.2008

Date of revision: 11.01.2010

Changes: points 1,2,3,7,8,9,12,15.

Source materials:

Chart of components characteristic of the following preparation.

Index of hazard symbols and expression R from point 3:

Xi – irritating product

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