

CERPAK 1000

1907/2006/CE (REACH)

1. IDENTIFICATION OF THE PRODUCTS AND OF THE COMPANY

Identification of the substance

Cerpak 1000

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2. HAZARD IDENTIFICATION

The mineral fibres belong to a group of fibres classified under European regulation N°1272/2008 (CLP), in category 2.

IARC (International Agency for Research on Cancer) has classified crystalline silica in group 1 for the respirable range (less than 5 microns).

European regulation N°1272/2008 (CLP), has classified crystalline silica for the respirable range (less than 10 microns): STOT RE 1, H372.

Acute health effects: product is a mechanical irritant to skin, eyes and upper respiratory system. These effects are usually temporary.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition:

Elements	No – CAS	No – EINECS	Classification according to European regulation N°1272/2008 (CLP)
Mineral Fibre (silicate)	-	-	Cat 2; H351
Quartz	14808-60-7	238-878-4	-
Quartz < 10 µm	14808-60-7	238-878-4	STOT RE 1, H372

4. FIRST AID MEASURES

Inhalation : Remove to fresh air, drink water to clear throat and blow nose to evacuate fibres
Eyes : Inert dust. Flush eyes with large quantities of water
Skin : Inert dust. Clean with mild soap and water

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Form: A1-040
Effective: 02012020/ES/ka
Supersedes:11012017/ES/ka
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5. FIRE FIGHTING MEASURES

The material is non-combustible.

Use extinguishing agents suitable for type of surrounding combustible materials.

6. ACCIDENTAL RELEASE MEASURES

Personal protection in case of accidental release or spillage likely to result in an abnormally high dust concentration

Provide the workers with appropriate protective equipment as detailed in section 8.

Restrict access to the area to a minimum number of workers.

Restore the situation to normal as quickly as possible.

Prevent further dust dispersion for example by damping the materials

Methods for cleaning up

Pick up large pieces first and finish with a vacuum cleaner fitted with high efficiency filter.

If brushing is used, ensure that the area is wetted down first.

Do not use compressed air for clean up.

For waste disposal refer to section 13.

Environmental protection

Do not allow to be wind blown.

Do not flush spillage to drain and prevent from entering natural water courses.

Check for local regulations which may apply.

7. HANDLING AND STORAGE

Most industrial handling and cutting applications on the material are likely to produce dust levels well below the Occupational Exposure Limits detailed in section 8.

Maintain good housekeeping practices. Clean waste with HEPA vacuum cleaner and place in closed containers. Avoid inhalation of dust.

Storage: In dry conditions.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Techniques to reduce dust exposure to a minimum

Where practical enclose dust sources and provide dust extraction.

Keep the workplace clean.

Use a vacuum cleaner fitted with a HEPA filter; avoid using brooms and compressed air.

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Hygiene standards and exposure limits

- Dusts

There is exposure limits for dusts without specify health effect:

Country	Exposure limits*	Ref.
-----	-----	-----
France	10 mg/m ³ 5 mg/m ³	total dusts breathable dusts art. R232.5.5. du code du travail

- Quartz

For breathable dusts of cristalline silica (range of dust less than 5 microns)

Country	Exposure limits	Ref.
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France	0.1 mg/m ³	R 4412-149

- Fibres

Examples of exposure limits* are given below (these exposure limits are applicable to all kinds of fibres):

Country	Exposure limits	Ref.
-----	-----	-----
Allemagne	0,5 f/ml	TRGS 900
France	1 f/ml	Circulaire DRT no 95-4 of 12/01/95
United Kingdom	2 f/ml	HSE EH40 Workplace Exposure Limit

*8-hr time weighted average concentrations of airborne respirable fibres measured using the conventional membrane filter method.

Skin and eye protection

Wear gloves and overalls which are loose fitting at the neck and wrists.

Wear goggles or safety glasses with side shields in case of overhead working.

After handling rinse exposed skin with water.

Wash work clothing separately.

Respiratory protection

For dust concentrations significantly below the exposure limit value, (RPE) is not required but FFP2 respirators may be used on a voluntary basis.

For short term operations where excursions above the exposure limit value are less than a factor of ten, use

FFP2 respirators.

Information and training of workers

Workers shall be informed on:

- the applications involving fibre-containing products ;
- the potentiel risks to health resulting from exposure to fibrous dust ;
- the requirements regarding smoking, eating and drinking at the workplace ;
- the requirements for protective equipment and clothing.

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Workers shall be trained on:
the good working practices to limit dust release ;
the proper use of protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Solid
Colour : Beige
Odour : None
Specific gravity : 1,0
Solubility in water : Insoluble

10. STABILITY AND REACTIVITY

Stability : Very stable
Hazardous reaction : Avoid hydrofluoric acid

11. TOXICOLOGICAL INFORMATION

Irritant properties

When tested using approved methods (Directive 67/548/EC, Annex 5. Method B4), this material gives negative results. All man-made mineral fibres, like some natural fibres, can produce a mild irritation resulting in itching or rarely, in some sensitive individuals, in a slight reddening. Unlike other irritant reactions this is not the result of allergy or chemical skin damage but is caused by mechanical effects.

Chronic health effects

IARC (International Agency for Research on Cancer) has classified mineral wool in group 3 and crystalline silica in group 1 for the respirable range (less than 5 microns).

12. ECOLOGICAL INFORMATION

Cerpak 1000 is an inert material, which remains stable over the time.

13. DISPOSAL CONSIDERATIONS

Product is to be seen as non-hazardous.

14. TRANSPORT INFORMATION

No special precautions required.

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15. REGULATORY INFORMATION

Fibre type definition according to European regulation N°1272/2008 (CLP)

According to European regulation N°1272/2008 (CLP) these fibres belong to the group of « man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content less or equal to 18% by weight ».

Fibre type classification according to European regulation N°1272/2008 (CLP)

Category 2

Protection of workers

Shall be in accordance with Council Directive 90/394/EEC « on the protection of workers from the risk related to exposure to carcinogens at work »;

Comply with hygiene standards and any applicable regulation.

Other possible regulations

Member States are in charge of implementing European directives into their own national regulation within a period of time normally given in the directive. Member States may impose more stringent requirements.

Please always refer to any applicable regulation.

EU classification : the product is an article so is not classified.

Labelling : This product is an article so no labelling required.

16. OTHER INFORMATION

- STOT RE 1 : Specific target organ toxicity - repeated exposure
- H372 : Causes damage to organs through prolonged or repeated exposure
- Category 2 : Suspected human carcinogens
- H351 : Suspected of causing cancer by inhalation

This document completes the technical user manuals, but by no means replaces them. Information given in this document is based on our knowledge of the product concerned on the date when this version of document was drafted. All information is given in good faith.

We attract user attention to risks that might be taken when using a product for other application than the one it was designed for.

This document does not exempt the user from knowing and applying all regulations concerning their activity. The user is entirely responsible for carrying out all precautions linked to use of the product. All legal information given in this document has only been mentioned in order to help user fulfil their obligations in terms of using hazardous products.

This list must not be considered to be complete. It does not mean that the user does not have to ensure that any other articles laying down obligations concerning the detention and use of this product exist. The user is entirely responsible for respecting all possible legislation.