

MATERIAL SAFETY DATA SHEET

1907/2006/CE (REACH)

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Identification of the substance
Trade name

Nefinox HTG

Identification of the manufacturer
name
address

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Product application : thermal, insulation, sealing and protection

2. HAZARDS IDENTIFICATION

According to European regulation N°1272/2008 (CLP) NOTE Q, mineral fibers are not classified.

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:

Éléments	No - CAS	No - EINECS	Classification according to European regulation N°1272/2008 (CLP)
Alkaline-earth silicate fibre [SiO ₂ 72-77%, alkali earth oxides (CaO, MgO) 19-26%, others 0-4%]	-	-	Not classified according to Note Q

Dangerous impurity : NA

4. FIRST AID MEASURES

4.1 Inhalation : in case of high inhalation of dust, remove to fresh air, drink water to clear throat.

4.2 Eyes : inert dust. Flush eyes with large quantities of water.

4.3 Skin : inert dust. Clean with mild soap and water.

Other information : Acute irritation and / or inflammation are due to mechanical action. Seek medical attention if symptoms persist.

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.

Hygiene standards and exposure limits

- Dusts

There is exposure limits for dusts without specify health effect:

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

- Fibres :

Examples of exposure limits* in January 2002 are given below (these exposure limits are applicable to all kinds of fibres) :

Country	Exposure limits*	Ref
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Allemagne	0.5 f/ml	TRGS 900
France	1 f/ml	Circulaire DRT no 95-4 du 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 over head 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 potential 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.

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

Color : Grey

Odor : none

Specific gravity : 0,9

Solubility in water : insoluble

10. STABILITY AND REACTIVITY

Stability : very stable

Hazardous reaction : avoid hydrofluoric acid

Decomposition products : fibres contained in this product may form several crystalline phases when used at temperature above 1000°C.

If crystalline silica is present, follow corresponding hygiene standards and national regulations.

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.

Toxicity by inhalation: given to the animal

The fiber was tested with regard to its pulmonary biopersistence, following methods defined by the EU. Thanks to a low biopersistence, this fiber is exempted from any carcinogenic classification, according to the criteria of the Note Q extract of the European regulation N°1272 / 2008 (CLP).

12. ECOLOGICAL INFORMATION

This product 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.

15. REGULATORY INFORMATION

Definition of the fiber according to the European regulation N°1272/2008 (CLP), NOTE Q

According to the Directive 97 / 69 / CE replaced by 1272/2008 (CLP), , the fiber belongs to the group of " fibers (of silicates) vitreous artificial in random orientation, the weight alcalino-earthly percentage of alkaline oxides and oxides ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) of which is upper to 18 %

Classification of the fiber according to the European regulation(payment) N°1272 / 2008 (CLP)

Considering its rich chemical composition in alcalino-earthly and of its low pulmonary biopersistence, the fiber is not classified carcinogenic according to the Directive 1272/2008 (CLP), It is not irritating according to the results of the official tests (Directive 67 / 548 / CE, Annexes 5, Method B4). Products do not contain labeling of danger.

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

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 caring 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.