



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

PRODUCT NAME: **BLANKET D-24B**

USE: Soft fibre product for fireseal (prevention) system.

SUPPLIER: ESSVE PRODUKTER AB, Box 770, 191 27 Sollentuna, Sweden.
Internet: www.fireseal.se

CONTACT: Dick Johansson, tel. +46 (0)8 623 61 00

EMERGENCY PHONE: If acute emergency dial: tel. 112
More information: Swedish Poisons Information Centre tel.+46 (0)8 33 12 31

2. COMPOSITION/ INFORMATION ON INGREDIENTS/CLASSIFICATION OF SUBSTANCES

Substance	EG No	CAS No.	Percentage %	Classification; Risk-phrases*
Mineral wool	-	-	100	Canc3; R40, Xi; R38 ¹⁾

A typical composition in weight percentage for this mineral wool is like following; SiO₂: 50-82%, alkaline earth metals (CaO, MgO > 18-43%.

* *Classification and Risk-phrases in compliance with Commission Directive 67/548/EEC, 2001/59/EC and 1999/45/EC, 2001/60/EC.*

** *Own classification*

*** *Producers classification*

1) Mineral wool is classified as carcinogenic, category 3. However if the fibre is fulfilling one out of four different conditions it does not have to be classified as carcinogenic. This specific mineral wool fulfils one of those conditions through a short time test at intratracheal instillation according to a certificate from the supplier why the cancer classification is not relevant. The product has also been tested for skin irritation and been found not to be irritating and therefore the classification as Xi; R38 is not valid.

Declared R-phrases are explained under chapter 16.

3. HAZARDS IDENTIFICATION

Health: *The product is not classified as harmful.*
Inhalation of dust may cause a mechanical irritation in the nose, throat and respiratory system, which could be strong. Asthma and other respiratory diseases may get worse at exposure. Prolonged skin contact may cause pruritus, redness and temporary irritation.

Environmental: *The product is not classified as hazardous to the environment.*

Fire: Not combustible.

Physical/
chemical: -

4. FIRST- AID MEASURES

Inhalation: Fresh air. Rinse the mouth and drink some water. Blow your nose. Contact medical advice at remaining irritation in the respiratory system or at breathing difficulties.

Skin contact: If skin gets irritated, rinse with plenty of water. Do not scrub exposed skin.

Eye contact: Rinse the eyes with plenty of water for several minutes. Keep the eyelids open and remove possible contacts. Do not rub your eyes. Seek medical advice if pain remains.

Ingestion: Drink several glasses of water.

Information to -
medical adviser:

Updated Safety Data Sheet is available at Swedish Poisons Information Centre tel.+46 (0)8 33 12 31

5. FIRE- FIGHTING MEASURES

Non combustible. Use fire extinguisher suitable for the surrounding materials.

6. ACCIDENTAL RELEASE MEASURES

Small pieces should be prevented from discharge to drain. Prevent dust dispersal. Pick up pieces and use a vacuum cleaner with high efficiency filter for smaller pieces and dust. Don't use compressed air because it will spread out the mineral wool. Wet surface before sweeping. Collect and treat as conventional waste.

7. HANDLING AND STORAGE

Avoid dusty handling. Avoid inhalation of dust. Store in a cool and dry area.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Ensure adequate ventilation. Possibility to flush eyes ought to be available.

Technical protection: Mechanical ventilation and point suction may be needed when processing the product to avoid dust exposure.

Personal protection: At dusty handling respiratory protective equipment (gas mask with particle filter P2) ought to be used. Protective gloves and goggles is used when needed.

Recommended glove material: Rubber, neoprene.

Limitation of environmental exposure: Avoid discharge to drain.

Exposure limits according to the Swedish Work Environment Authority (*AFS 2005:17*)

Inorganic dust, respirable: 5 mg/m³ (NGV)

Fibers, synthetic inorganic 1 fibre/ml (NGV)

(others):

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light brown board with mild odour.

Density: 0,3 g/cm³

Solubility in water: Easy soluble

Melting point: > 1200 °C

Geometrical medium diameter: > 1,5 µm

10. STABILITY AND REACTIVITY

Stable under normal conditions. When heated over 900 °C for a connective period mineral wool fibers could be transduced to mixtures of crystalline phases.

11. TOXICOLOGICAL INFORMATION

The following information refers to exposure to dust, which could happen when the product is processed.

Inhalation:	The critical effect at occupational exposure for mineral wool fibers is shown as a persistent cough after mechanical irritation in nose, throat and respiratory system. This has been shown at median exposure level 0,1 – 0,4 fiber/ml (compared to exposure limits, see heading 8). Other symptoms are sore throat and difficulties at breathing. Asthma and other respiratory diseases may be worse at exposure.
Skin contact:	At prolonged skin contact dust may cause pruritus, redness, temporary irritation and eczema, specially for sensitive persons.
Eye contact:	Dust may cause redness, pain and itch and temporary eye irritation.
Ingestion:	No known hazards.
Further toxicological remarks:	-
Toxicological data:	This specific mineral wool fulfils a short time test at intratracheal instillation according to a certificate from the supplier why the cancer classification is not relevant. Skin irritation test on rabbit (OECD test No 404, Method B) was negative and means that the product is not classified as irritant (information from the supplier).

12. ECOLOGICAL INFORMATION

The contents of this product are stable inert materials which are not expected to cause any negative effects to the environment.

13. DISPOSAL CONSIDERATIONS

Treat as conventional waste, EWC-code 17 06 04, in accordance to local regulations (Avfallsförordningen, SFS 2001:1063).

14. TRANSPORT INFORMATION

Not a hazardous product regarding transport legislation.

15. REGULATORY INFORMATION

Symbols

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Risk and Safety phrases

The product is not classified as harmful according to Swedish regulations KIFS 2005:7.

Other labelling:

Safety data sheet available for professional user on request.

Other regulations:

Because of the fact that high amounts of fibres and other dust particles may come into existence when used products are mechanically affected, for example during deconstruction, ECFIA (European Ceramic Fibres Association) recommends that control actions will be introduced in order to reduce dispersal of dust and that all exposed personal should use adequate respiratory protective equipment.

16. OTHER INFORMATION

References:

Kemikalieinspektionens föreskrifter (KIFS 2005:5) med EG-harmoniserad bindande klassificering och märkning (Klassificeringslistan).

Kemiska Ämnen on line, Prevent.

European Ceramic Fibres Industry Association (ECFIA) on line (www.ecfia.org)

Arbetskyddsstyrelsens Författningssamling, AFS 2005:17, Hygieniska gränsvärden och åtgärder mot luftföroreningar.

Information from the supplier.

This material safety data sheet was prepared in compliance with KIFS 2005:7, (Commission Directive 67/548/EEG, 2001/59/EG and 1999/45/EG, 2001/60/EG).

Declared R-phrases under chapter 2.

R 38 Irritating to skin

R 40

Limited evidence of a carcinogenic effect

This safety data sheet is revised according to following items:

- The safety data sheet has been revised according to new legislation (Swedish) KIFS 2005:7 and annex IV and supplement II, directive EG 1907/2006 (Reach) of the European Parliament and of the council.
- The safety data sheet is dated 2007-11-13 and replaces version dated 2005-02-04.