



UNION LESNÍ BRÁNA, a.s.

Novosedlická 125, PSČ 417 03 Dubí 3  
infolinka: +420 417 800 111, fax: +420 530 045  
spisová značka OR: B 56, KS Ústí nad Labem  
internet: [www.rotaflex.cz](http://www.rotaflex.cz)

## SAFETY DATA SHEET

Date of issue: 1.6.2008

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# SAFETY DATA SHEET

in accordance with Decree of European Parliament and Council ( EC ) no.  
1907/2006

as amended by Commission Regulation no. 453/2010

## 1. Identification of the substance /mixture and company/enterprise

### 1.1. Product identifier

Name of the product: **ROTAflex SUPER**

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Product for thermal and acoustic insulation  
Uses advised against: No uses identified

### 1.3 Details of the supplier of the safety data sheet

Supplier: UNION LESNÍ BRÁNA a.s.  
Novosedlická 125 417 03 Dubí  
Tax ID: 148 64 606  
Tel., fax : 417 800 111, 417570 048  
Responsible person, professionally qualified: [juzlova@rotaflex.cz](mailto:juzlova@rotaflex.cz)

### 1.4 Emergency telephone number

Toxicological information centre (TIS), Clinic of job-related illnesses, Na Bojišti 1, Praha 2  
Emergency phone number: +420 224 919 293, +420 224 915 402

## 2. Hazards identification

In accordance with article 31 Regulation 1907/2006 the safety data sheet is not required, because it does not contain any substances classified as hazardous.. To provide information to subsequent users the safety data sheet has been elaborated in accordance with article 32 Regulation 1907/2006 as amended by Regulation 453/2010.

### 2.1. Classification of the substance or mixture

According to 1272/2008/EC: not classified  
According to 67/548/EEC, 1999/45/EC: not classified  
Hazards to man: may cause skin or eye irritation, does not require classification  
Statement of the State Health Institute: from the viewpoint of formaldehyde emission: it is suitable for use in building interiors.  
Test for bio-persistence of mineral fibres: meets requirements for bio-solubility of fibres.

### 2.2. Label elements

Not stated.



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### 2.3. Other hazards

PBT and vPvB assessment: the product is not considered to be persistent, bio-accumulative nor toxic (BPT)

## 3. Composition/information on ingredients

The product consists of artificial glass (siliceous) fibres with random orientation and contains oxides of alkali metals and metal oxides of alkali soils.

**CAS/EINECS**  
none

**Classification 67/548/EEC**  
none

**Classification 1272/2008/EC**  
none

## 4. First aid instructions

### 4.1. Description of first aid

If used in a standard way, no immediate medical aid is necessary.

**In case of inspiration:** if handled properly (in accordance with instructions) there is only minimum risk of inhalation exposition.

Otherwise: Carry the affected person out to fresh air. In case of problems assure medical aid. If the irritation of the respiratory system persists for more than one day, find medical aid.

**In case of skin contact:** Carefully shake the dust off the clothes and possibly blow off with air. At washing proceed very carefully, first, let water just flow off the affected skin, only after that start washing with water and soap.

**In case of eye contact:** Take out contact lenses, if the affected person has them. Open the eye lid of the impacted eye, even with force, and wash with lukewarm drinking water in direction from the inner corner to the outer corner for at least 20 – 30 minutes. If the irritation persists, find medical aid. Continue with washing also during transport of the affected person

Note : The substance has effects similar to dust grains of standard dust that is commonly found in uplift for building materials, on dusty roads, playgrounds and suchlike. Mechanical irritation. (Instructions for mineral fibres according to instructions of the database for FA WHO).

**Ingestion:** Rinse the mouth with generous amount of water, possibly administer sips of drinking water (only on condition that the affected person is conscious and does not have spasms); do not provoke vomiting. If the affected person vomits on his/her own, try to prevent inspiration of vomits. Find medical aid and present the safety data sheet. (Instructions for mineral fibres according to instructions of the database for FA WHO).

### 4.2. Most important symptoms and effects, both acute and delayed

No effect known.

### 4.3. Instructions concerning immediate medical attention and special treatment

If any health problems occur or in case of doubts inform a physician and provide him with information mentioned in the safety data sheet.

If the affected person is unconscious, lay him/her into the stabilized position on the side, with the head slightly tilted back, and pay attention to the clearness of the airways. If the affected person is not breathing, start immediately mouth-to-mouth breathing.



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## **5. Fire-fighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media:** The substance is not flammable, nor combustion supporting—extinguish by means of preferably powder or snow fire extinguisher or CO<sub>2</sub> as for surrounding environment.

**Extinguishing media to be avoided:** Not determined. It is necessary to take the surrounding environment into account.

### **5.2. Special hazards arising from the substance or mixture**

No hazard is known.

### **5.3. Advice for fire fighters**

In case of fire use protective clothing for the whole body and a suitable protection for your respiratory system (isolating apparatus).

## **6. Accidental leakage measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Minimize dustiness at handling. Collect individual parts of the product used to prevent the uplift and a distribution of the material across large areas. Prevent further dust spread, e.g. by moistening of the material, if possible. Avoid contact with skin or mucosa. Use effective means of personal working protection.

Follow the instructions in chapters 7 a 8.

### **6.2. Environmental precautions**

No environmental risk in case of leakage is assumed, however, prevent distribution of minor parts of the product into the environment.

### **6.3. Methods and material for containment and cleaning up**

The strewn dust from the product shall be moistened and then carefully put into a bag and labelled as other waste. Big pieces that cannot be used anymore shall be collected and put into a PE bag and labelled with a relevant code in accordance with the waste catalogue.

Never use compressed air for cleaning. Significant turbulence of fine dust particles would occur. It is possible to use a vacuum cleaner for additional and complete cleanup of the area. If you are going to sweep the place, first sprinkle the material.

### **6.4. Reference to other sections**

Further instructions: sections 8 and 13

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

Observe working instructions. Ensure sufficient ventilation and local exhaustion at the workplace.. When using do not eat, drink or smoke.



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### 7.2. Conditions for safe storage of substances and mixtures, including any incompatibilities

Label the areas where the substance is stored in accordance with the local, warehouse rules. The substance is not hydrophilic, neither hygroscopic.

It is possible to store the product outside solely in original and undamaged packaging. Unpacked pallet units and unpacked individual packages (rolls) must be protected against climatic influence by means of storing in a roofed area.

### 7.3. Specific end use/uses

Follow instructions in the safety data sheet. It is advised to unwrap the product immediately before use at the respective workplace.

## 8. Exposure controls / personal protection

### 8.1. Control parameters

Mineral fibres: PEL numerical concentration (number of respirable fibres / cm<sup>3</sup> :1

And at the same time: artificial mineral fibres PEL weight concentration (mg.m<sup>3</sup>) : 4

### 8.2. Exposure controls

Ensure good ventilation and prevent contact with eyes. Observe usual health protection measures for handling dusty materials and use personal safety working aids according to the character of the work carried out. If PEL is exceeded, use also equipment to protect your airways.

Other information, general hygienic measures included:

Do not drink, eat nor smoke during work. Take off dirty and soiled clothes, after work always wash your hands with warm water and soap, eventually apply a suitable regeneration cream.

#### 8.2.1. Occupational exposure controls

**Respiratory protection:** area with sufficient ventilation is recommended. If dust occurs during activities like shape modification or similar, it is recommended to provide workers with a respirator K=4 to K=12 or with a filtration partial mask with a filter against solid particles.

This kind of protection shall be used at all dusty operations connected with e.g. cutting or manipulation with the material in a very confined areas.

**Hand protection:** it is recommended to prevent contact with skin by means of gloves that do not let dust pass through.

**Eye protection:** goggles in dusty environment

**Skin protection:** working clothes, headgear and working shoes that are closed and easy to clean.

Working clothes (o an overall) shall be firmly and tightly fastened at the ends of sleeves, trouser legs and the neck.

#### 8.2.2. Environmental exposure controls

Prevent dust whirling. Do not flush remnants into sewerage nor surface-water. Use a dry method to remove remnants, only after that water for a final cleanup of remnants and eventually water to wash the whole area.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	yellow
Odour:	no odour
pH:	not determined



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<b>Boiling point:</b>	not applicable
<b>Melting point/freezing point:</b>	thermic decomposition at >1280°C
<b>Flash point:</b>	not applicable
<b>Flammability:</b>	flammable
<b>Explosive properties:</b>	inexplosive
<b>Oxidising properties:</b>	not determined
<b>Vapour pressure:</b>	not determined
<b>Relative density:</b>	according to the type of a product 8 – 115 kg/m <sup>3</sup>
<b>Water solubility:</b>	insoluble
<b>Partition coefficient n-octanol/water:</b>	not determined
<b>Auto-ignition temperature:</b>	not determined
<b>Viscosity:</b>	not applicable
<b>Vapour density:</b>	not determined
<b>Evaporation rate:</b>	not determined
<b>Other information:</b>	not determined

### 9.2. Other information

Not applicable

## 10. Stability and reactivity

### 10.1. Reactivity

The product is stable under standard conditions

### 10.2. Chemical stability

The product is stable under standard conditions

### 10.3. Possibility of hazardous reactions

Not known

### 10.4. Conditions to prevent

Not known

### 10.5. Incompatible materials

Not known

### 10.6. Hazardous decomposition products

Not known

## 11. Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity:</b>	no
<b>Skin causticity/irritation:</b>	may irritate mechanically
<b>Serious eye damage/irritation:</b>	may irritate mechanically
<b>Mutagenicity:</b>	not mutagenic



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**Carcinogenicity:** not carcinogenic  
**Reproductive toxicity:** not toxic for reproduction  
**Toxicity to specific target organs:** not determined  
**Aspiration hazard:** not determined

## **12. Ecological information**

### **12.1. Toxicity**

**LC50, 96 h., fish (mg.l-1):** Information not available  
**EC50, 48 h daphnia (mg.l-1):** Information not available  
**IC50, 72 h., algae (mg.l-1):** Information not available.  
**Other hazards:** not supposable

### **12.2. Persistence and degradability**

The product is not degradable, it does not have any effect on the food chain.

### **12.3. Bioaccumulative potential**

Accumulation is not possible.

### **12.4. Mobility in soil**

Not supposable

### **12.5. Results of PBT and vPvB assessment**

The product is not considered to be persistent, bioaccumulative or toxic.

### **12.6. Other adverse effects**

Not known

## **13. Disposal instructions**

### **13.1. Waste treatment methods**

Other waste. Proceed in accordance with Czech law Act no. 185/2001 Coll., on waste and on amendment of some other acts and in accordance with its implementing regulations on waste treatment. Waste catalogue no.: 17 06 04 – category O, name : Other insulation materials.

## **14. Transport information**

### **14.1. Environmental hazards**

None

### **14.2. Special precautions for user**

None



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### **14.3. Bulk transport according to Annex MARPOL73/78 and IBC code**

Not applicable

## **15. Regulatory information**

### **15.1. Safety, health, and environmental regulations/legislation specific to the substance or mixture**

Council directive 67/548/EEC on the approximation of laws, regulations, and administrative provisions on classification, packaging and labelling of dangerous substances.

Regulation no. 1907/2006 of the European Parliament and of the Council (EC) concerning registration, evaluation, authorisation, and restriction of chemicals, on establishing European Chemicals Agency, amending directive 1999/45/ES and repealing Council regulation (EEC) no. 793/93, Commission regulation (EC) no. 1488/94, as well as Council Directive 76/769/EEC, and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC, and 2000/21/EC.

Directive 1999/45/EC of the European Parliament and of the Council concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations..

Directive. 1272/2008 of the European Parliament and of the Council (EC) on classification, labelling and packaging of substances and mixtures, amending and repeal of regulations 67/548/EEC and 1999/45/EC and amending regulation no. 1907/2006/EC.

Commission Regulation (EU) No 453/2010, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on registration, evaluation, authorisation, and restriction of chemicals (REACH).

## **16. Other information**

This is a document revision in connection with regulations no. 453/2010/EC and 1272/2008/EC.