

**Ident-No: RENSHAPE BM 5440 25MM**

Version 1  
Revision Date 20.03.2009

Print Date 09.05.2009

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### Product information

Trade name : RENSHAPE BM 5440 25MM

Use : Board material

Company : Huntsman Advanced Materials (Europe)BVBA  
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## 2. HAZARDS IDENTIFICATION

None known

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature

Cured polyurethane resin  
Article

## 4. FIRST AID MEASURES

Inhalation : Move to fresh air.  
Call a physician immediately.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.  
If eye irritation persists, consult a specialist.

Skin contact : Wash off with soap and plenty of water.  
If skin irritation persists, call a physician.

Ingestion : Immediately give plenty of water (if possible charcoal slurry).  
Do not induce vomiting.  
Obtain medical attention.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray.  
Carbon dioxide (CO<sub>2</sub>).

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Foam.  
Dry powder.

Extinguishing media which must not be used for safety reasons : High volume water jet.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.

Further information : Burning produces obnoxious and toxic fumes.  
Carbon oxides.  
Nitrogen oxides.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Keep away from sources of ignition - No smoking.  
Avoid breathing dust.

Environmental precautions : Do not allow material to contaminate ground water system.  
Prevent product from entering drains.

Methods for cleaning up : Sweep up and shovel into suitable containers for disposal.  
Avoid dust formation.

## 7. HANDLING AND STORAGE

### Handling

Advice on safe handling : Avoid dust formation.  
Keep away from sources of ignition - No smoking.

### Storage

Further information on storage conditions : Keep away from food, drink and animal feeding stuffs.  
Keep at temperatures between 2 and 40 °C.

Storage hazard class : Storage class 13, Solid materials, not dangerous  
Huntsman Advanced  
Materials

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
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### Engineering measures

Avoid dust formation.  
Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.

### Personal protective equipment

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- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.  
Wear respirator with dust filter during machining of slab.  
Filter type AX-P2 (organic vapours, particles)
- Eye protection : Tightly fitting safety goggles.
- Hand protection : Material of gloves for long term application (BTT>480 min):  
Butyl rubber  
Ethyl Vinyl Alcohol Laminate (EVAL)  
Nitrile rubber  
Neoprene rubber  
Polyvinyl Chloride (PVC)  
Material of gloves for short term/splash application (10 min<BTT<480 min):  
Butyl rubber  
Ethyl Vinyl Alcohol Laminate (EVAL)  
Nitrile rubber  
Neoprene rubber  
Polyvinyl Chloride (PVC)  
Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US).  
Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.  
Additional information can be found for instance at [www.gisbau.de](http://www.gisbau.de)
- Protective measures : Do not breathe dust.  
Keep away from sources of ignition - No smoking.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : boards
- Form : solid
- Colour : brown
- Odour : none
- Thermal decomposition : > 200 °C
- Flash point : Note: not applicable
- Vapour pressure : < 0.01 Pa  
at 20 °C
- Density : 0.5 g/cm<sup>3</sup>  
at 25 °C
- Water solubility : at 20 °C  
Note: insoluble

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Miscibility with water : immiscible  
at 20 °C

## 10. STABILITY AND REACTIVITY

Conditions to avoid : Note: Dust may form explosive mixture in air.  
Take necessary action to avoid static electricity discharge.

Materials to avoid : No special precautions required.

Hazardous decomposition products : Carbon oxides.  
Nitrogen oxides. Burning produces obnoxious and toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat  
Dose: > 5,000 mg/kg

Eye irritation : No eye irritation  
rabbit

Skin irritation : No skin irritation  
rabbit  
dermal

Sensitization : No skin sensitization.  
guinea pig  
dermal

## 12. ECOLOGICAL INFORMATION

### Elimination information (persistence and degradability)

Biodegradability : Result: Not readily biodegradable.

### Ecotoxicity effects

### Further information on ecology

Additional ecological information : Avoid subsoil penetration.  
Prevent product from entering drains.  
Do not contaminate surface water.

## 13. DISPOSAL CONSIDERATIONS

Product : Waste Key Number: 070299  
Can be landfilled or incinerated, when in compliance with the  
Environmental Protection (Duty of Care) Regulations 1991.

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Container : Empty containers can be landfilled, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

## 14. TRANSPORT INFORMATION

### Land transport

*ADR:*

Regulation: Not dangerous goods

*RID:*

Regulation: Not dangerous goods

### Sea transport

*IMDG:*

Regulation: Not dangerous goods

### Air transport

*IATA-DGR:*

Regulation: Not dangerous goods

## 15. REGULATORY INFORMATION

### Labelling according to EEC Directive

No labelling required

### National legislation

### Notification status

: EINECS yes

: AICS yes

## 16. OTHER INFORMATION

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The provision of Safety Data Sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974. Users of products supplied by Huntsman Advanced Materials should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).

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