



Material Safety (MSDS) / Data Sheet

1. IDENTIFICATION

Trade Name:

Ubau Flo Shower Pan

Product SKU(s):

UBAUF33, UBAUF33E, UBAUF34, UBAUF34E, UBAUF35, UBAUF35E, UBAUF36, UBAUF36E, UBAUF36OC, UBAUF36OCE, UBAUF44, UBAUF44E, UBAUF45, UBAUF45E, UBAUF46, UBAUF46E, UBAUF47, UBAUF47E, UBAUF55, UBAUF55E, UBAUF56, UBAUF56E, UBAUF57, UBAUF57E, UBAUF66, UBAUF66E

Relevant identified uses of the material:

Waterproof Tileable Shower Element

Details of the supplier of the Material Safety Data Sheet:

Ubertile, a division of the Rudiger Group Inc.
Unit 103, 10330-117 Ave.
Grande Prairie, AB, T8V 7S5

Information Phone Number:

877-759-5755

Website:

www.ubertile.com

Country of Manufacturing Origin:

Germany

2. HAZARDS INFORMATION

Classification of the material:

The product is rated as non-hazardous

3. COMPOSITION

Core Material:

Extruded polystyrene (XPS) foam

Sand Surface Coating:

0.4 – 0.8mm quartz sand embedded in a polyurethane coating

Chemical Characterization:

CAS no. Designation
9016-87-9 diphenylmethane diisocyanate, isomers and homologues.

Description: From the following materials listed below with non-hazardous additives.



4. FIRST AID MEASURES

Description of first aid measures

Eye contact: Wash out eyes immediately with plenty of water; remove contact lenses after the first 1-2 minutes of rinsing and then rinse out for a few minutes longer. Only mechanical effects are to be expected. If there are effects on the eyes, consult a doctor, preferably an eye doctor.

Contact with the skin: Wash skin with plenty of water.

Inhalation: Bring person into fresh air; consult a doctor if there is discomfort.

Swallowing: Consult a doctor if swallowed. Can cause blockage in gastro and intestinal region. Do not administer laxatives; do not induce vomiting unless instructed by a medical professional.

Information for the doctor: No specific antidote known. The treatment of the exposure should be aimed at control of the symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:

Water fog of water spray/ Powder extinguisher/ Carbon dioxide fire extinguisher foam.

Special protective equipment for fire fighters:

Use approved portable positive pressure compressed air respirator and/or self-contained breathing apparatus and wear fire-fighter safety clothing (fire fighter helmet with neck protection, protective suit, protective shoes and gloves). If no safety clothing is available, keep a safe distance away from fire or from protected position.

Particular hazards in the event of fire and explosion:

Mechanical cutting, dismantling or sawing can cause dust to accumulate. Dust accumulation should be avoided to prevent dust explosion. This synthetic foam is flammable and should be protected from flames or other heat sources. For further details contact DOW chemicals. Thick smoke will develop when this product is burning.

Hazardous combustion products:

In the event of fire the smoke may indeterminate toxic and or irritating compounds as well as the original material. Carbon monoxide, carbon dioxide and carbon will develop in case of fire or smouldering. Based on the combustion toxicity tests it emerges that the effects of the combustion of this foam are no more toxic that the effects of the combustion of standard building materials such as wood.

6. ACCIDENTAL RELEASE MEASURES

Person related safety precautions: There are no special measures required.

Measures for environmental protection: There are no special measures required.

7. HANDLING AND STORAGE

Handling:

Mechanical cutting, dismantling or sawing can cause dust to accumulate. Dust accumulation should be avoided to prevent dust explosion. The product is flammable and may represent a fire hazard if used incorrectly. After installation this product should be adequately protected as described in the national building code.

Storage:

During shipping, storage, installation or use, this material may not be exposed to flames or other sources of ignition. Store in a dry, covered area. Protect from weather influences.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limit values:

No limit specified

Personal protective equipment. Eye/face protection:

Eye protection should not be necessary. Safety glasses are recommended during the cutting of the product. Safety glasses shall correspond to EN 166 or similar. Wear safety glasses in the event of possible exposure to particles which may cause eye complaints.

Body protection:

Other than clean, full overalls, no other measures are required.

Hand protection:

Chemical gloves should not be necessary when handling this product. Skin contact should be avoided, however in accordance with general hygiene practice when handling products. Wear gloves to protect against mechanical injury. The selection of gloves depends on the type of work.

Respiratory protection:

If respiratory protection is needed in certain processes (including but not limited to sawing, milling and cutting) an approved filtration unit should be used. The following CE-approved respirator should be used. A combination filter for organic gases and vapours with particle filter, type, Type AP2.

Swallowing:

There are no precautionary measures needed on account of the physical properties of the material.

Technical measures, Ventilation:

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Good general ventilation is generally sufficient. Local extraction may be necessary for some operations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Aggregation state:

Solid

Colour:

Blue

Odour:

class G

Flash point: (TCC)

346 °C

Explosion limits in air:

Lower- N/A.

Upper: N/A

Ignition temperature:

491 °C

Vapour pressure:

N/A

Boiling point (760 mmHg):

N/A

Vapour density (air=1):

N/A

Specific weight (H₂O=1):

N/A

Particle density:

20 - 70 kg/m³

Freezing point:

N/A

Melting point:



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> 75 °C

Solubility in water:

Not soluble in water

pH value:

N/A

Kinematic viscosity:

N/A

10. STABILITY AND REACTIVITY

Stability/ instability:

Thermally stable within the temperature range of the application.

Conditions to avoid:

Avoid temperatures above 300° C (572° F)The product can degrade at higher temperatures. Avoid direct sunlight.

Substances to avoid:

Avoid contact with oxidizing agents. Avoid contact with aldehyde's, amines, esters, liquid fuels and organic solvents.

Dangerous polymerization:

Will not occur.

Thermal decomposition:

Does not generally decompose; hazardous decomposition products depend on temperature, air supply, and the presence of other materials. Decomposition products include but are not confined to: aromatic compounds, aldehydes, ethyl benzene. Polymer fragments. Styrene. In strong heat (not fire conditions) small quantities of aromatic hydrocarbons such as styrene and ethyl benzene can arise.

11. TOXICOLOGICAL INFORMATION

Swallowing:

Swallowing is unlikely due to physical state. Very low oral toxicity. Harmful effects are not expected if small quantities are swallowed. May cause blockage of intestinal tract if swallowed.

Eye contact:

Solids or ducts can cause injury to the cornea by mechanical effect. Smoke/vapor released during thermal processes such as cutting with hot wire may cause eye irritation.

Contact with the skin:

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Injury only by mechanical effect; generally not irritating to the skin.

Absorption through the skin:

Absorption through the skin is unlikely due to the product's physical properties.

Inhalation:

Dust may irritate the upper respiratory tract (nose and throat). Smoke/vapor released during thermal processes such as cutting with hot wire may cause irritation to the respiratory tract.

Toxicity in the event of repeated absorption

The product contains encapsulated additives. It is not expected that these would be released under normal processing conditions in any foreseeable emergency.

12. TRANSPORT INFORMATION

Land Transport:

NOT REGULATED

Marine Transport:

NOT REGULATED

Air Transport:

NOT REGULATED

Inland Waterways Transport:

NOT REGULATED

13. REGULATIONS

European Inventory of Existing Commercial Chemical Substances (EINECS)

The components of this product are listed in EINECS or are exempt from the inventory requirements.

Identification:

This product is rated as non-hazardous according to EC criteria.

Water hazard class:

Not hazardous to water according to Administrative Regulation on the Classification of Substances hazardous to waters into Water Hazard Classes - VwVwS - dated 17th May 1999.

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14.1 TECHNICAL DATA XPS CORE

thermal conductivity measured at 10 ° C / 90 days / DIN EN 13164 :

0.03 W/m.K

Compressive stress o. Compressive strength at 10% compression / DIN EN 826:

0.30 N/mm²

Long-term compressive stress (50 years) ≤ 2% compression / DIN EN 1606:

0.11 N/mm²

Water vapor diffusion resistance (μ) / DIN EN 12086:

100

Water absorption with long-term immersion / DIN EN 12087:

≤ 1,5 % / volume

Fire behaviour building material class Fire behaviour Euro classes / DIN 4102 / EN 13501-1 :

B1 E

Linear coefficient of thermal expansion :

0.07mm /m.K

Operating temperature :

-50°C / +75°C

Tensile strength, associated modulus of elasticity / DIN EN 1607:

0.50 N/mm²

Shear strength / DIN EN 12090:

0.25 N/mm²

Shear modulus / DIN EN 12090 :

8 N/mm²

Capillarity :

0

14.2 TECHNICAL DATA DRAIN BODY

Drain output per liter:

0.8L / second



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Material:

ABS Plastic, Color Grey

14.3 TECHNICAL DATA UBAU FLO SHOWER ELEMENT

Slope:

1 – 4% depending on specific model, check each model schematic available upon request

Minium Tile Size:

There is specific minimum tile size, however tiles with a dimension smaller than 2" x 2" must utilize an epoxy grout.

Wheel Chair Use:

Yes, with a minium tile format of 2" x 2"

Certificate of Listing:

IAPMO File No 9279, Tileable Shower Receptors and Shower Kits

Compliance:

Uniform Plumbing Code (UPC)

National Plumbing Code of Canada (CUPC)

IAPMO PS 106-2015e1

Sizes/ Model #'s:

UBAUF33 36"x 36"

UBAUF34 36"x 48"

UBAUF35 36"x 60"

UBAUF36 36"x 72"

UBAUF36OC 36"x 72"

UBAUF44 ~48"x 48"

UBAUF45 ~48"x 60"

UBAUF46 ~48"x 72"

UBAUF47 ~48" x 84"

UBAUF55 60"x 60"

UBAUF56 60" x 72"

UBAUF57 60" x 84"

UBAUF66 72"x72"

15. LAST REVISION DATE

01-01-2020



16. DISCLAIMER

The details are based on our current knowledge and are intended to describe the product with respect to the applicable safety regulations. They do not represent any assurance of product properties and do not constitute a contractual legal relationship.

The information contained here is correct at the time of publication to the best of our knowledge. However no guarantee, direct or indirect, is given. The regulations may be revised and can vary from site to site. It is the responsibility of the buyer/user to find out the applicable laws at a federal, regional and local level. The information given here relates to the product only as it is dispatched. Since the use of the product is out of the control of the manufacturer, the buyer/user is obliged to determine the necessary conditions for safe handling of the product. Should you have obtained safety data sheets from another source or if there is uncertainty about the currency of the safety data sheets, please contact us to obtain the latest safety data sheets.