

Safety Data Sheet – Insulated Cavity Closers with Mineral Wool

Document Number SDS-D/02, Issue #3, 05/2017

1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier
Dacatie Insulated PVCu extruded cavity closer profiles for the building industry.
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Cavity Closers are used in the construction industry to overcome thermal loss that occurs around unprotected cavities and reveals
- 1.3. Details of the supplier of the safety data sheet
Quantum Profile Systems Ltd
Salmon Fields
Royton
Oldham
Lancashire
OL2 6JG
telephone – 0161 627 4222 / fax – 0161 627 4333
mail – info@quantum-ps.co.uk
- 1.4. Emergency telephone number
Quantum Profile Systems Ltd. Customer Service desk: 0161 627 4222
Office hours: Monday to Thursday 8:00am – 5:30pm / Friday 8:00am – 5:00pm

2: Hazards identification

- 2.1. Classification of the substance or mixture
PVCu carrier is non-hazardous in finished form.
There is no hazard statement associated with mineral wool used in the Dacatie Cavity Closers. The mineral wool is not classified as dangerous according to CLP Regulation.
- 2.2. Label elements
The overall conclusion in accordance with the REACH regulation is that there are no hazardous classifications associated with either of the 2 components forming a cavity closer, in respect to physical, health and environmental considerations.
- 2.3. Other hazards
Use of high speed cutting tools can generate dust.
Mineral Wool: When heated to approximately 200°C for the first time, release of binder components and binder decomposition products can occur which, in high concentrations, may irritate the eyes and respiratory system.

3: Composition/information on ingredients

3.1. Substances

- Carrier: Unplasticised polyvinylchloride (uPVC) containing a blend of post industrial / post consumer recycled content and contains no ingredients listed as hazardous for supply.
- Infill: Mineral wool (sleeved or unsleeved) for thermal insulation and fire integrity in building & construction.

3.2. Mixtures

Not applicable

4: First aid measures

4.1. Description of first aid measures

No special First Aid measures are required when using the product as recommended by the manufacturer.

- Eyes: If dust particles enter the eye, wash with sterilised water. If symptoms persist seek medical attention.
- Skin: If irritation occurs, remove contaminated clothing and wash skin with soap and water.
- Inhalation: Dust particles from cutting are unlikely to be of inhalable dimensions unless power tools are used. If problems are experienced, remove to fresh air and drink water.
- Ingestion: Drink plenty of water if accidentally ingested.

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

The mechanical effect of fibres in contact with skin can cause temporary itching.

4.3. Indication of any immediate medical attention and special treatment needed

None required. If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.

5: Firefighting measures

5.1. Suitable extinguishing media

Water, foam, carbon dioxide or dry powder. Do not use water or Foam on fires involving electricity.

5.2. Special hazards arising from the substance or mixture

PVCu Carrier: Decomposition will occur in temperatures exceeding 200°C.
Products of combustion – carbon dioxide, carbon monoxide and hydrogen chloride.

5.3. Advice for firefighters

Use breathing apparatus and in the case of a major fire wear acid resistant clothing.

6: Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedures

The PVCu carrier is in solid form and poses no hazard. No special requirements. In situations where there are high concentrations of dust, use personal protective equipment as described in Section 8.

6.2. Environmental precautions

None required.

- 6.3. Methods and material for containment and cleaning up
PVCu Carrier: Minimise exposure to dust from mechanical cutting process.
Mineral Wool release from carrier: Large pieces may be placed in plastic bags or waste bins.
Granules or dust should be collected using vacuum cleaning or by damping down with water spray prior to brushing up.
- 6.4. Reference to other sections
See section 8 for recommended personal protection measures.
See 13 for disposal considerations.

7: Handling and storage

- 7.1. Precautions for safe handling
No special precaution.
- 7.2. Conditions for safe storage, including any incompatibilities
Store in original packaging in a dry place.
- 7.3. Specific end use(s)
When cutting product with power tools, provide adequate localised dust extraction and respiratory and eye protection as specified in section 8.

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
Whilst there are no exposure limits associated with the product the use of PPE is recommended when cutting and securing the product.
- 8.2. Exposure controls
Respiratory protection: In confined spaces it is recommended that disposable face masks complying with BS EN 149 type FFP1 or FFP2 should be used and are suitable for most applications to improve comfort.
Eye protection: When cutting or processing with power tools, eye protection complying with BS EN 166 should be worn.
Skin protection: Loose fitting clothing is advised, cover exposed skin when working with unwrapped product.

9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties
Appearance: Rigid article
Odour: Slight Odour
Solubility: Insoluble in water
Decomposition: Thermal decomposition is dependent on both time and temperature but will occur with increasing rapidity above 200°C.
- 9.2. Other information
No further chemical or physical properties to report.

10: Stability and reactivity

10.1. Reactivity

Not reactive

10.2. Chemical stability

Stable in normal use.

10.3. Possibility of hazardous reactions

Not reactive

10.4. Conditions to avoid

PVCu Carrier: Avoid contact with acids and oxidising agents at temperatures above 60° C.
Avoid contact with Acetal Resin.

10.5. Incompatible materials

None specified

10.6. Hazardous decomposition products

If thermal decomposition occurs hydrogen chloride gas will be released.

11: Toxicological information

11.1. Information on toxicological effects

No known toxic effects. No adverse irritant reaction to skin in dermal patch tests. No chronic effects usually associated with skin or eye contact.

There are no hazardous classifications associated with the mineral wool used in Dacatie Cavity Closers under REACH Regulations. The mineral wool used in Dacatie Cavity Closers is exonerated from classification as a carcinogen in accordance with EU Directive 97/69/CE and Regulation EC 1272/2008. The fibres are subject to independent assessment of compliance by the European Certification Board for Mineral Wool Products (EUCEB, www.euceb.org) on an ongoing, voluntary basis.

12: Ecological information

12.1. Toxicity

None

12.2. Persistence and degradability

PVC compositions are considered to be ecologically benign and do not readily decompose when weathered or exposed to micro-organisms.

12.3. Bioaccumulative potential

None

12.4. Mobility in soil

None

12.5. Results of PBT and vPvB assessment

No assessment required

12.6. Other adverse effects

None

13: Disposal considerations

13.1. Waste treatment methods

If possible recycle, otherwise disposal should be in accordance with local, state, or national legislation. Disposal by burial in an authorised landfill site or by incineration under approved controlled conditions is acceptable. Combustion will evolve toxic gases.

PVCu is highly recyclable, and accepted by licensed trade recyclers throughout the UK.

Mineral wool is recyclable. This insulation is classified as non-hazardous waste. Mineral wool insulation waste is covered by the non-hazardous entry "17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03" in the European Waste Catalogue, established by EC Decision 2000/532/EC (hazardous waste). Under land II regulations mineral wool insulation waste is categorised as "waste accepted at landfills for non-hazardous waste" in accordance with EC Decision 2003/33/EC (land II acceptance criteria).

14: Transport information

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

No smoking and controls against exposure to ignition sources as best practice should be enforced whilst transporting, loading and unloading operations.

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

None specified

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

None specified

15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

This product does not normally present a danger to human health by inhalation, ingestion or contact with the skin in the form in which it is supplied and used as recommended by the manufacturer.

Wear protective gloves/protective clothing.

15.2. Chemical safety assessment

No assessment required

16: Other information

This data sheet does not constitute a workplace risk assessment.

This safety Data Sheet has been prepared by Quantum Profile Systems Ltd in good faith on the basis of its best actual knowledge and on information available to date. It does not constitute a specification.

Quantum Profile Systems Ltd gives no guarantee and disclaims responsibility for individual items being incomplete or incorrect. Furthermore, Quantum Profile Systems Ltd gives no guarantee that all possible security measures are contained herein, nor gives any guarantee that additional security measures may not be required under particular or exceptional circumstances.

It is the responsibility of the user to observe national or local safety regulations-in no case can Quantum Profile Systems Ltd accept any responsibility for a failure to observe such regulations. Freedom from patent rights must not be assumed.

--

UK health and safety regulations (including REACH) do not require a Safety Data Sheet (SDS) to be provided for cavity closers. Quantum Profile Systems Ltd. voluntarily make REACH compliant safety data sheets available for their products to ensure that health and safety information is provided in a recognised standard format.