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Safety Data Sheet – Rigid Profiles

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1. Identification of the substance/preparation and company:

1.1. uPVC extruded profiles for the building and construction industry.

1.2. Quantum Profile Systems Ltd
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1.3. Emergancy Address/Tel No as above

2. Hazards and Identification:

uPVC is classified as non hazardous in finished form. Mechanical cutting and handling may create dust. High dust levels may irritate the throat and eyes. These products must not be cut by any heat generating process.

3. Product Composition:

Profile: Unplasticised polyvinylchloride (uPVC)

4. 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.

5. Fire Fighting:

Suitable extinguishing media – water, foam carbon dioxide or dry powder.
Products of combustion – carbon dioxide, carbon monoxide and hydrogen chloride.
Use breathing apparatus and in the case of a major fire wear acid resistant clothing.

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6. Accidental Release Measures

The PVCu profile is in solid form and poses no hazard. See 13 for disposal considerations.

Personal precautions: Avoid contact with skin or eyes. Minimise exposure to dust. See section 8 for recommended personal protection measures.

7. Handling and Storage

Ensure adequate ventilation of workspaces. Avoid unnecessary handling of unwrapped product and store in original packaging in a dry place away from sources of heat.
When cutting product with power tools, provide adequate localised dust extraction and respiratory and eye protection as specified in section 8.

8. Exposure Controls/ Personal Protective Equipment

Whilst there are no exposure limits associated with the product the use of PPE is recommended when cutting and securing the product.

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:

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 150°c.

10. Stability and Reactivity

Stable in normal use. No restrictions regarding incompatible materials. Avoid contact with acids and oxidising agents at temperatures above 60ºC. Avoid contact with Acetal Resin. If thermal decomposition occurs hydrogen chloride gas will be released.

11. Toxicology

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

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12. Ecological Information

uPVC compositions are considered to be ecologically benign and do not readily decompose when weathered or exposed to micro-organisms. XPS is a product which is not ecotoxic by composition.

13. Disposal Considerations

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.

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

14. Transport Information

Not classified as hazardous for transport

15. Regulatory Information

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.
S36/37 Wear suitable protective clothing and gloves.

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.

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