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PRODUCT SAFETY DATA SHEET – PVC-U ELECTRICAL CONDUIT & TRUNKING SYSTEMS

DATE OF ISSUE: NOVEMBER 2007
REF NO: PVC/ELEC/ISSUE 4

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PVC-U-ELECTRICAL CONDUIT AND TRUNKING SYSTEMS

Supplier: Marshall-Tufflex Ltd

Churchfields Industrial Estate

Hastings

East Sussex

TN38 9PU

Telephone (and emergency): 01424 856655 Fax: 01424 856611

2. COMPOSITION/INFORMATION ON INGREDIENTS

A. EXTRUSIONS (For all product manufactured from January 2008)

Polyvinyl chloride	Approx. 85%
Zn salts (as Zn)	Less than 0.1%
Calcium carbonate	Less than 6%
Titanium dioxide	Less than 3.5% (White only)
Other	To 100%

B. MOULDINGS

Polyvinyl chloride	Approx. 85%
Tin salts (as Sn)	Less than 1.0%
Calcium carbonate	Less than 6%
Titanium dioxide	Less than 3.5% (White only)
Other	To 100%

3. HAZARDS IDENTIFICATION

No specific hazards as the ingredients are bound into the PVC matrix and are thus rendered virtually insoluble.

4. FIRST AID MEASURES

Inhalation:	Very low risk of inhalation
Eye contact:	Not applicable
Skin contact:	Not applicable
Ingestion:	Very low risk of ingestion

(Normal first aid procedures are applicable for handling extruded profiles and mouldings).

5. FIRE FIGHTING MEASURES

All available fire fighting extinguishers are effective for fighting fires involving PVC, although due care must be taken of the primary source of the fire e.g. live electrical equipment.

The major products of combustion/decomposition of PVC include hydrogen chloride, carbon monoxide and carbon dioxide. Suitable breathing apparatus should be provided.

6. ACCIDENTAL RELEASE MEASURES

No specific hazards.

7. HANDLING AND STORAGE

There are no specific hazards when handling and storing PVC electrical conduits, trunking and fittings.

The products should however be stored and handled in accordance with the relevant recommendations of Marshall Tufflex.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	WEL	8 HR TWA
Sn		0.10mg/m ³

Ref: HSE EH40/2005 Workplace exposure limits

The additives are bound into the PVC matrix and are thus rendered virtually insoluble. By virtue of the size of the products manufactured from PVC it is very unlikely that normal exposure will lead to (material) hazards to eyes, skin, inhalation or ingestion.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Density:	1.35 – 1.45 g/cc
Softening point: Extrusions	82°C BS 2782 Method 120 B
Mouldings	74°C BS 2782 Method 120B
Solubility in Water:	Insoluble
Solubility in other:	Soluble in cyclohexanone, tetrahydrofuran, 1,2 – dichlorethane
Oxygen Index:	Approx. 45%

10. STABILITY AND REACTIVITY

Stable under the recommended storage and handling conditions (see sect7.). In a fire hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and hydrogen chloride may be produced.

With the exception of sulphuric acid (>90%) and nitric acid (>50%) the material is resistant to most acids and alkalis up to 60°C, but above this temperature the stronger acids attack the polymer.

11. TOXICOLOGICAL INFORMATION

The finished products in use present a very low level of risk. They should not however be used for applications for direct contact with foodstuffs.

12. ECOLOGICAL INFORMATION

The products are insoluble in water and will not degrade when buried in landfills etc.

13. WASTE DISPOSAL

Any waste products may be disposed of to landfill in accordance with any local restrictions.

14. TRANSPORT INFORMATION

Not classified as dangerous for transport.

15. REGULATORY INFORMATION

Not classified as dangerous for supply.

16. OTHER INFORMATION

This product should only be used as directed by Marshall-Tufflex Ltd and should not be used for any other application other than as directed. For further information contact our Technical Services Department. This safety data sheet was compiled using the current safety information supplied by the distributors of the component materials.

This safety data sheet in the CHIP format supersedes all previous issues, and users are cautioned to ensure that it is current.

Destroy all previous sheets, and if in doubt contact Marshall-Tufflex Ltd quoting the reference number in the top left hand corner of the front sheet. This sheet may contain inappropriate information under particular conditions of use.