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1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

PRODUCT	Tubing: Moulded Parts Type: For products coated witl	ble Polymeric Products: ATO99, DR-25, DR-25-TW, DTMS, FRAG, PRDM, T-DR-25, ZHCP. -50, -51. h Raychem Unicure-225 precatalysed epoxy supplementary information on Safety Data
APPLICATION		eric products for applications including ation, cable jacketing and repair, and cal protection.
COMPANY/UNDERTAKING IDENTIFICATION	Raychem Ltd Cheney Manor Industria Swindon SN2 2QS United Kingdom	al Estate
Telephone	(44) 1793-573824	
Emergency Telephone	Day: (32) 14-584545 Night: (32) 14-584545	
2. COMPOSITION/INFORMATION	ON INGREDIENTS	
CHEMICAL DESCRIPTION	copolymers, fluoropolym	based on polyethylene and olefin hers, polyamides and polyesters. Products whem Unicure-225 precatalysed epoxy resin
3. HAZARDS IDENTIFICATION		
		es to a group of products which are not hich may emit hazardous thermal r to section 10).
4. FIRST AID MEASURES		
EYES	If molten material contacts th minutes, holding eyelids oper	e eyes, flush with water for at least 15 n. Seek medical attention.
SKIN		e skin, cool immediately with cold water. npt to remove material adhering to the skin.
INGESTION	Seek medical attention.	
INHALATION	Move to fresh air. Keep warn breathing problems develop.	m and at rest. Seek medical attention if

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5. FIRE FIGHTING MEASURES		
EXTINGUISHING MEDIA	Water fog, dry powder, carbon dioxide, foam.	
FIRE AND EXPLOSION HAZARDS	Toxic fumes may be evolved in a fire.	
PROTECTIVE MEASURES	Fire fighters should wear self-contained breathing apparatus with full facepiece and protective clothing.	
6. ACCIDENTAL RELEASE MEA	SURES (SPILLAGE)	
PERSONAL PRECAUTIONS	Not applicable.	
ENVIRONMENTAL PRECAUTIONS	Not applicable.	
RECOVERY	Pick up for re-use or disposal.	
7. STORAGE AND HANDLING (I	N NORMAL USE)	
STORAGE	Cool, dry warehouse environment. Store in original packaging and away from direct sunlight.	
VENTILATION	Use local exhaust ventilation of the workplace. If using gas torches in confined spaces, ensure an adequate supply of fresh air to avoid oxygen depletion.	
HANDLING	Refer to Raychem product installation instructions.	
	Avoid overheating the product after shrinkage has occurred. If the product blisters, chars or shows any other signs of degradation, stop heating immediately. Avoid inhaling fumes which may be released from hot plastic.	
	Wash hands at the end of work and before eating, drinking or smoking.	
8. EXPOSURE CONTROLS/PERSONAL PROTECTION (NORMAL USE)		
OCCUPATIONAL EXPOSURE LIMITS	Not applicable to products as supplied. Small amounts of substituted aromatic isocyanates may be released during installation.	
Name	LTEL STEL Type Ref.	
Isocyanates, all (as NCO)	(8-hour TWA) (15-minute) 0.02 mg m^{-3} 0.07 mg m^{-3} MEL EH40/95	
PERSONAL PROTECTIVE EQUIPMENT	Г	
RESPIRATORY	Not required under normal circumstances. Use respiratory protective equipment if ventilation is inadequate to control exposure.	
HAND	Heat resistant gloves may be required to manipulate hot products after installation.	
EYE	Safety glasses/goggles or face shield, depending on the application.	

9. PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE	Plastic tubing and moulded parts in a variety of shapes, sizes and colours.	
ODOUR	No distinctive odour.	
PH (as delivered)	Not applicable.	
MELTING POINT (°C)	Not applicable.	
BOILING POINT (°C)	Not applicable.	
FLASH POINT (°C)	Not applicable.	
RELATIVE SELF-IGNITION TEMPERATURE (°C)	No relevant data available.	
EXPLOSIVE PROPERTIES UPPER LIMIT (%) LOWER LIMIT (%)	Not applicable. Not applicable.	
RELATIVE DENSITY (20°C)	0.9 - 1.4	
SOLUBILITY IN WATER (20°C)	Insoluble.	
10. STABILITY AND REACTIVITY		
STABILITY	Stable.	
CONDITIONS TO AVOID	Avoid heating products beyond temperatures required for normal installation.	
MATERIALS TO AVOID	None known.	
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition and combustion products will depend on the base polymer used and may include, but not be limited to: alcohols, aldehydes, aromatic amines, aromatic isocyanates, bromine, carbon dioxide, carbon monoxide, esters, fluorinated hydrocarbons, hydrocarbons, hydrogen bromide, hydrogen chloride, hydrogen fluoride, ketones, nitrogen oxides, organic acids and tetrahydrofuran.	
11. TOXICOLOGICAL INFORMATION		
ACUTE EFFECTS		
EYES	Overheating products during installation may produce fumes that can cause irritation, redness and watering of the eyes.	
SKIN	These products would not be expected to cause irritation, or present a hazard to health through skin absorption. Contact with molten material may cause thermal burns.	
INGESTION	Not a normal route of exposure.	

INHALATION

Overheating products during installation may produce fumes that can cause irritation of the upper respiratory tract, headache, dizziness, nausea and, in the absence of ventilation, possible asphyxiation.

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CHRONIC EFFECTS

Thermal decomposition products may include aromatic isocyanates which can cause sensitization by inhalation. Hypersensitive persons may suffer respiratory problems (difficult breathing, coughing, asthma) even at low isocyanate concentrations.

No relevant data available.
Products are resistant to bio-degradation.
No relevant data available.
No relevant data available

13. DISPOSAL CONSIDERATIONS

Landfill or incinerate at an approved site in accordance with local and national regulations. For incineration use a high temperature incinerator equipped with secondary combustion chamber and exhaust gas scrubber.

TRANSPORT INFORMATION (REGULATIONS) 14.

PACKAGING (Size & Description)	Packaging used for supply will depend on product type.	
TRANSPORT CLASSIFICATION	Non-hazardous.	
OTHER INFORMATION	Not restricted for any mode of international transport.	
15. REGULATORY INFORMATION (SUPPLY & LABELLING)		
SUPPLY CLASSIFICATION	Not considered as dangerous preparations in the context of EC Council Directive 88/379/EEC.	
HAZARD PICTOGRAM	Not applicable	
RISK PHRASES	Not applicable	
SAFETY PHRASES	Not applicable	

16. OTHER INFORMATION

Users are advised to ensure that this information is brought to the attention of the employees, agents or contractors handling this product. Distributors of this product are advised to forward this document, or the information contained herein, to their purchaser.

Reference: RAY/3137E	Supersedes: RAY/3122E, Revision 1
Date of issue: July 1995	Reason for revision: Separate Safety Data Sheet for
	products listed in section 1.

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

Users of Raychem products should make their own evaluation to determine the suitability of each such product for the specific application and to establish safe handling and installation procedures.