



Safety Data Sheet

BASED ON DIRECTIVE 91/155/EEC OF THE COMMISSION OF EUROPEAN COMMUNITIES

Ref: RAY/3146
Revision: Provisional

*1 Identification of the Substance/Preparation and of the Company

1.1 Identification of the substance or preparation:

CT-300, LT-100, PLF-100, PLDW-100, PLDW-104, PLDW-TW, HTB-PLF-100, HTB-PLDW-100, HTB-PLF-103, PLF-103, PLM100(A), PLT-100(A), LTF-100, HTB-LTF-100, PLDR-100, PLK-175, PLZH-100, PLV-200, PSR-200, HTB-LT-100, SEC-150, SRDW100, CCBM-100, FPBM-100, KBM-100, TWBM-100, TFE250 (4X), PLF-106, PLCE-100(A), MOULDED PARTS

CAS No:	N.A.	Formula:	N.A.
EC Index No:	N.A.	Molecular weight:	N.A.
EINECS No:	N.A.	NFPA Code:	N.D.
RTECS No:	N.A.		

1.2 Company/undertaking identification:

Tyco Electronics (UK) Ltd
Faraday Road
Dorcan
Swindon
Wiltshire SN3 5HH
United Kingdom
(+44) 1793 572537

1.3 Telephone number for emergency:

(+32) 14 584545
Information centre of dangers goods (B.I.G.)
Technische Schoolstraat 43A, B-2440 Geel,
Belgium

2 Composition/Information on Ingredients

Plastic materials may be based on polyethylene and olefin copolymers, chloropolymers, polyamides or silicones. Products may be coated with, or used in conjunction with adhesives/mastics based on polyamides and/or olefin copolymers.

3 Hazards Identification

- This Safety Data Sheet applies to a group of products which are not hazardous as supplied
- Products may emit hazardous thermal decomposition products if overheated or burnt (see section 10.2)

4 First Aid Measures

- #### 4.1 Eye contact:
- If molten material contacts the eye:
Rinse immediately with plenty of water for 15 minutes
 - Consult a doctor/medical service if irritation persists



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- 4.2 Skin contact:**
- If molten material contacts the skin:
Immediately flush with cold water for 15 minutes
Do not attempt to remove material stuck to the skin
Treat as a burn
 - Consult a doctor/medical service
- 4.3 After inhalation:**
- If exposed to fumes from overheated or burnt material:
Remove the victim into fresh air
keep warm and at rest
 - Consult a doctor/medical service if breathing problems develop
- 4.4 After ingestion:**
- Not applicable

5 Fire Fighting Measures

- 5.1 Suitable media:**
- Water spray
 - Polyvalent foam
 - Dry chemical
 - Carbon dioxide
- 5.2 Unsuitable extinguishing media:**
- No data available
- 5.3 Special exposure hazards:**
- Toxic decomposition products may be evolved in a fire (see section 10.2)
- 5.4 Instructions:**
- Not applicable
- 5.5 Special protective equipment for Fire Fighters:**
- Self contained breathing apparatus with full face piece
 - Protective clothing for exposure to chemicals

6 Accidental Release Measures

- 6.1 Personal protection:**
- Wear personal protective equipment (see section 8.3)
- 6.2 Environmental precautions:**
- Not applicable
- 6.3 Clean up:**
- Pick up for continued use or disposal

7 Handling and Storage



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- 7.1 Handling:**
- Refer to Tyco Electronics (UK) Ltd product installation instructions.
 - Avoid overheating the product after shrinkage has occurred.
 - Stop heating immediately if the product blisters, chars or shows other signs of degradation.
 - Avoid inhaling fumes which may be released and ventilate the area thoroughly before resuming work.
 - Avoid contact with molten material.
 - Wash hands before eating, drinking or smoking.
- 7.2 Storage:**
- Store in original packaging in a cool and dry area
- Storage Temperature:**
- <40°C
 - Product should be stored at temperatures below 40°C to avoid prerecovery of expanded product
- 7.3 Materials for packaging:**
- Material to avoid: no data available

*8 Exposure controls/personal protection

- 8.1 Recommended engineering controls:**
- Use local exhaust ventilation of the workplace
 - When using gas torches in confined spaces ensure an adequate supply of fresh air to avoid oxygen depletion
- Sampling methods:**
- Not applicable
- 8.2 Exposure limits:
TLV (8 hour TWA) UK OEL
(EH40/99):**
- Not applicable
- 8.3 Personal protection:**
- Eye protection:**
- Safety glasses with side shield, goggles or face shield depending on application
- Hand protection:**
- Heat resistant gloves if handling hot products after installation
- Skin protection:**
- Protective clothing
- Respiratory protection:**
- Not required for normal conditions of use
 - Approved respirator or self-contained breathing apparatus for installations in confined/unventilated areas
- Other:**
- Practice good standards of personal and industrial hygiene

9 Physical and Chemical Properties

- 9.1 Appearance (at 20°C):** Plastic tubing and moulded parts
- 9.2 Odour:** None



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9.3	Colour:	Various	
9.4	pH value:	N.A.	
9.5	Boiling point/boiling range:	N.A.	°C
9.6	Melting point/melting point range:	70-170	°C (adhesives)
9.7	Flash point:	N.A.	°C
9.8	Auto-ignition point:	N.D.	°C
9.9	Explosion limits:	N.A.	% Vol (°C)
9.10	Vapour pressure (20°C):	N.A.	hPa
9.11	Relative density (20°C):	0.9-2.2	
9.12	Water solubility (20°C):	Insoluble	g/100 ml
9.13	Soluble in:	N.D.	
9.14	Relative vapour density:	N.A.	
9.15	Saturation concentration	N.A.	g/m ³
9.16	Viscosity:	N.A.	mPa.s

*10 Stability and Reactivity

- | | | |
|------|--|---|
| 10.1 | Stability: | - Stable under normal conditions |
| 10.2 | Reactivity/Hazardous decomposition products: | - Thermal decomposition is not significant when products are used in accordance with Tyco Electronics (UK) Ltd product installation instructions.

- At higher temperatures and if materials burn, thermal decomposition products will depend on the base polymer used and may include, but are not limited to: alcohols, aldehydes, carbon monoxide, carbon dioxide, hydrocarbons, hydrogen bromide, hydrogen chloride, silicon dioxide and oxides of nitrogen, phosphorus and sulphur |
| 10.3 | Conditions/materials to avoid: | - Not applicable |

11 Toxicological Information

11.1	Acute toxicity	LD50 oral rat:	N.D.	mg/kg
		LD50 dermal rat:	N.D.	mg/kg
		LD50 dermal rabbit:	N.D.	



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	LC50 inhalation rat:	N.D.	mg/l/4h
11.2 Chronic toxicity:			
EC carc. cat. :	Not listed		
Ec muta. cat. :	Not listed		
EC repr.cat. :	Not listed		
Carcinogenicity (TLV):	Not listed		
IARC classification:	These products have not been evaluated		
11.3 Routes of exposure:	Inhalation of thermal decomposition products		
11.4 Accute effects/symptoms:			
	Eyes:	Overheating products during installation may produce vapours/fumes that can cause irritation and redness of the eye tissue	
	Skin:	Contact with molten material may cause thermal burns	
	Inhalation:	Overheating products during installation may produce vapours/fumes that can cause irritation of the respiratory tract Systems may include coughing, headache, dizziness, nausea and in the absence of ventilation, possible asphyxiation	
	Ingestion:	Not a normal route of exposure	
11.5 Chronic effects:	None known		

12 Ecological Information

12.1 Mobility:	-	Insoluble in water	
12.2 Biodegradation:	-	Soil T _{1/2} :	N.D. days
		BOD ₅ :	N.A. g O ₂ /g substance
		COD:	N.A. g O ₂ /g substance
	-	Water:	Not readily biodegradable
12.3 Bioaccumulation:	-	Log Pow	N.D.
	-	BCF	N.D.
12.4 Aquatic toxicity:	-	No data available	
12.5 Other information:	-	WGK:	N.D.
	-	Effect on the ozone layer:	None
	-	Waste Water purification:	N.D.

13 Waste Disposal Considerations

13.1 Provisions relating to waste:	-	Waste code (EC):	N.A.
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- 13.2 Disposal methods:**
- Landfill or incinerate at an approved site in accordance with national and local regulations
 - For incineration, use a high temperature incinerator equipped with secondary combustion chamber and acid gas scrubber

14 Transport Information

- 14.1 Proper shipping name:** N.A.
- 14.2 Transport by road/rail (ADR/RID):** N.A.
Danger code: -
Danger labels on tanks: -
Danger labels on packages: -
- 14.3 Substance identification number (UN number):** N.A.
Packaging: -
- 14.4 Maritime transport (IMDG code):** N.A.
EMS: -
MFAG: -
Marine pollutant: -
- 14.5 Inland navigation (ADNR):** N.A.
- 14.5 Air freight (ICAO):**
- 14.6 Other information:**

15 Regulatory Information

Labelling according to EC Directives 67/548/EEC and 88/379/EEC

LABEL:

R-PHRASES:

S-PHRASES:

*16 Other Information

Users are advised that they may have additional disclosure obligations under other national and local laws. Users are advised to ensure that this information is brought to the attention of all employees, agents and contractors handling this product. Users of Tyco Electronics (UK) Ltd 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. Distributors of this product are advised to forward this document, or the information contained herein, to every purchaser or this product.

N.A. = Not applicable
N.D. = Not determined
***** = Internal classification

MSDS Established :
Reference Number :
Reference :
Date of Revision :
Reason for Revision :

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