

Shrink Sleeve The Worldwide Tubing Solution Heat Shrinkable Tubing Solution	MSDS (Material Safety Data Sheet)	File No.	PVLF-01
		Issue Date	01-02-03
	PVLF (P.V.C Heat Shrink Sleeve)	Revised Date	
		Revised Item	
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SECTION 1. PRODUCT NAME AND COMPANY IDENTIFICATION

- 1) Production name : PVLF (PVC Heat Shrink Lay-flat Sleeve)
- 2) Company name, Address : Shrink Sleeve Ltd., Camion House, Mill Lane, Sevenoaks, Kent, U.K. TN14 5BX
- 3) Telephone & Fax : Tel : 44(0)1732-462841, Fax : 44(0)1732-462851
- 4) Prepared by : Shrink Sleeve Quality Management Division

SECTION 2. COMPOSITION/ INFORMATION ON INGREDIENTS

- 1) Component : Polyvinyl Vinyl Chloride (CH₂-CHCl)_n resin (CAS No. 9002-86-2)
Percentage : 80~ 85.0 %
- 2) Component : Plasticizer (CAS No. 117-81-7)
Percentage : 3~15.0%
- 3) Component : Stabilizer(TIN-malate) (CAS No. 103-23-1)
Percentage : 2~5.0%
- 4) Component : Pigment, ETC
Percentage : <0.1

SECTION 3. HAZARD IDENTIFICATION

- 1) EC Classification(calculated) : No classification assigned
- 2) Change in appearance : Changes color on exposure to heat or light
- 3) Color : Various Color As Each item.
- 4) Physical form : Solid
- 5) Physical hazards : Igniting sleeve maybe irritative to eye, nose, ear by flow gas
- 6) Potential health effects :
 - Skin contact : Short term exposure : No information on significant adverse effects.
Long term exposure : No information on significant adverse effects.
 - Eye contact : Short term exposure : Irritation
Long term exposure : No information on significant adverse effects.
 - Ingestion : Short term exposure : No information on significant adverse effects.
Long term exposure : No information on significant adverse effects.

SECTION 4. FIRST AID MEASURES

- 1) Inhalation : Remove from exposure immediately, And Breathe in fresh air, if needed, Get medical attention.
- 2) Skin contact : If contact the melting solid, Remove contaminated clothing , jewelry, and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains. Get medical attention, if need
- 3) Eye contact : Wash eyes immediately with large amount of water or normal saline, until no evidence of chemical remains . Get medical attention, if need
- 4) Ingestion : If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention, if needed.

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SECTION 5. FIRE-FIGHTING MEASURES

Ignition Point : 391°C
 Burning Point : 454°C

- 1) Extinguishing media : Regular dry chemical ,carbon dioxide, water, regular foam
 large fire : Use regular foam of flood with fine water spray
- 2) Firefighting : Move container foam fire area if it can be done without risk. Do not scatter spilled material with high- pressure water streams. Dike for later disposal. Use extinguishing agents appropriate for surrounding fire. Avoid inhalation of material or combustion by - products. Stay upwind and keep out of low areas.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Physical hazards : : No information on significant adverse effects.
 Use the air cleaner clean up.

SECTION 7. HANDING AND STROAGE

Store and handling in accordance with all current regulations and standards.
 Keep out of the direct rays of the sun and keep the temperature 25 degrees.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

- 1) Polyvinyl Chloride (PVC) : No occupational exposures limits established
- 2) Eye protection : Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
- 3) Clothing : Wear appropriate chemical resistant clothing.
- 4) Gloves : Wear appropriate chemical resistant gloves. OSHA REGULATED SUBSTANCES U.S.OSHA 29CFR 1910.1017

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- 1) Physical state : Solid
- 2) Appearance : Colourless, Colour
- 3) Change in appearance : Changes colour on exposure to heat or light
- 4) Physical form : Solid
- 5) Odor : Not available
- 6) Boiling point : Not available
- 7) Melting point : Not available
- 8) Vapor pressure : Not available
- 9) Vapor density : Not available
- 10) Specific gravity(water=1) : 1.2 - 1.3
- 11) Water solubility : Insoluble
- 12) pH : Not applicable
- 13) Volatility : Not applicable
- 14) Odor threshold : Not available

SECTION 10. STABILITY AND REACTIVITY