

SAFETY DATA SHEET

SECTION I	PRODUCT IDENTIFICATION
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PRODUCT NAME:.....	PureTherm PVC
TRADEMARK:.....	PureTherm
CHEMICAL CHARACTERIZATION:.....	Polyvinyl chloride film (C ₂ H ₃ Cl) _n , PVC plastic
USE:.....	Used for a variety of industrial packaging applications.

SECTION II	HAZARDOUS INGREDIENTS
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None
Not regulated by WHMIS

SECTION III	PHYSICAL DATA
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APPEARANCE AND ODOUR	:PVC film, clear tints and solid colours, odorless	
MELTING/SOFTENING POINT	:72	°C
BOILING POINT	:n/a	°C
DECOMPOSITION TEMPERATURE	:200	°C see below*
PH	(@ 20 °C): n/a	(@ grams/litre water)
SOLUBILITY IN WATER	(@ 20 °C): Insoluble	
VAPOUR PRESSURE	(@ °C): n/a	
VISCOSITY	(@ °C): n/a	
DENSITY	(@ 20 °C): 1.34 - 1.37 g/cm ³	
BULK WEIGHT	(@ °C): n/d	

OTHER INFORMATION

*Degradation begins after 1 hour at 350 °F (177 °C); after 10 min. at 400 °F (204 °C) and after 5 min. at 450 °F (232 °C).

n/a: not applicable
n/d: not determined

PURETHERM PVC

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SECTION IV

FIRE AND EXPLOSION HAZARD

FLASH POINT:..... n/a °C
IGNITION POINT:..... n/a °C
EXTINGUISHING MEDIA:..... Water mist, foam, carbon dioxide or dry chemical.
SPECIAL PRECAUTIONS:..... Fire fighting personnel should wear self-contained breathing apparatus and protective clothing.
SPECIAL FIRE AND EXPLOSION HAZARD:..... PVC film or resin will not readily burn or support combustion. However, intense heat such as under fire conditions will release HCl, CO and CO₂.

SECTION V

REACTIVITY DATA

STABILITY:..... Stable
HAZARDOUS POLYMERIZATION:..... Will not occur
INCOMPATIBILITY (MATERIAL TO AVOID):..... Organic acids, chlorinated hydrocarbons and aromatics may soften and swell PVC film.
HAZARDOUS DECOMPOSITION PRODUCTS:..... Thermal decomposition releases HCl, smoke, CO, CO₂.

SECTION VI

INFORMATION ON TOXICITY

No harmful health effects are observed under normal conditions of use. PVC film is considered to be inert material.

SECTION VII

EMERGENCY AND FIRST-AID PROCEDURES

INHALATION: None required for PVC film. However, in the presence of decomposition products, rescuers should wear respiratory equipment. Remove victims from the contaminated area, apply artificial respiration and contact a physician.

In case of SKIN and EYE contact, no special measures required. If burned by contact with hot plastic, cool molten material adhering to skin with water and consult a physician for removal of adhering material.

SECTION VIII

PREVENTIVE MEASURES

PERSONAL PROTECTIVE MEASURES:..... (x) RESPIRATORS : none*
 () GLOVES :
 () GOGGLES :
 PREVENTIVE MEASURES:..... *Appropriate respiratory protective equipment should be worn where products of decomposition are generated.
 TECHNICAL PROTECTIVE MEASURES:..... Observe good plant practices.
 SPECIAL PRECAUTIONS FOR TRANSPORT AND STORAGE:..... There are no particular storage and transport hazards; however, product quality is ensured by storing in a clean, dry place away from heat sources or direct sunlight. Avoid storage in areas subject to the fumes of aromatic hydrocarbon or chlorinated hydrocarbon solvents.

SECTION IX

SPILL AND DISPOSAL MEASURES

MEASURES AFTER SPILLAGE:
 Spilled material can be removed with suitable equipment and can be used for re-cycle or disposal.
 DISPOSAL:
 Waste material can be disposed at a domestic landfill. Do not incinerate unless suitable equipment is available.

SECTION X

INFORMATION ON ECOLOGY

Over very prolonged periods of outdoor exposure, PVC film will eventually degrade due to the combination of effects of UV, light, oxygen and fungi. The products of this extremely slow degradation process are hydrogen, water, carbon dioxide, carbon monoxide and HCl.

SECTION XI

TRANSPORTATION CLASSIFICATION

TDG/DOT CLASSIFICATION:..... Not regulated

ICAO/IATA CLASSIFICATION:..... Not regulated

SECTION XII

SPECIAL INFORMATION

In the conversion of PVC film using manufacturing processes involving heat, good general ventilation is recommended. Local exhaust systems may be required to control vapours generated under intense heat. As in all industrial material handling, safety glasses are recommended in dye cutting, stamping and other conversion processes.

SECTION XIII

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The above information is intended to describe our product in respect to safety and handling requirements only. We have attempted to be complete and correct. However, liability for any damage or injury is hereby declined since conditions of use and utilization of the product are beyond our control. Observance of all legal requirements is responsibility of the user.