



NEW SOLID INTERNATIONAL CORPORATION

MATERIAL SAFETY DATA SHEET

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Product Summary – PET (Polyethylene Terephthalate) Shrinkable Film

- Recycling Symbol – 01 PET
- Recycling Considerations: General re-melting and filtration process can be used.
- Disposal: Autoclaving in a proper container or bag will melt the PET film for incineration. Properly burned, PETG produces only CO₂ and H₂O.
- Heat Resistance: 70-80°C before deformation
- Cold Resistance: -30°C before brittle/cracking (can be extended to -40°C with additives)
- Fat Resistance: Excellent
- Steam Resistance: Good
- Gas Resistance: Good
- Shrink Ratio: up to 55% reduction of original layflat size
- Recommended Shrink Temperature: 110-150°C

SECTION I – PRODUCER

Manufacturer: New Solid International Corp.

Emergency Telephone: Taiwan +886-7-286 9966

Product Class: Polyethylene Terephthalate (PET) Manufacturer's Code Identification

Product Name: Solid Seal® PET Shrinkable Film

SECTION II – INGREDIENTS

Main Ingredient	Typical Percent	OSHA PEL Gas Fume Dust ppm mg/m ³	ACGIH TLV Gas Fume Dust ppm mg/m ³	CAS NUMBERS
Polyethylene Terephthalate resin (Not a hazardous material, under OSHA standards)	97%	N/D	N/D	25038-91-9

Notes: N/D= Not Detected N/A = Not Applicable

SECTION III – PHYSICAL DATA

MELTING RANGE: >220°C VAPOR DENSITY: N/A EVAPORATION RATE: N/A

BOILING POINT: N/A VAPOR PRESSURE: N/A SPECIFIC GRAVITY: 1.35kg/dm³

APPEARANCE AND ODOR: Clear Plastic Film, with no odor

SOLUBILITY IN WATER: INSOLUBLE

Notes: N/D= Not Detected N/A = Not Applicable

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 497°C LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Water, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards: Powdered material may form explosive dust-air mixtures.

Notes: N/D= Not Determined N/A = Not Applicable





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SECTION V – REACTIVITY DATA

STABILITY: Stable; however, material can decompose at elevated temperatures.

Incompatibility: Material reacts with strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI – HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? - Yes SKIN? - No INGESTION? - No

Health Hazards:

Product in bulk is not considered hazardous. None known for PET.

CARCINOGENICITY: NTP? - No

IARC MONOGRAPHS? - No

OSHA REGULATED? - No

ACIDITY: None.

SIGN AND SYMPTOMS OF OVEREXPOSURE: None Known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None expected when using appropriate sealing system.

EMERGENCY AND FIRST AID PROCEDURES: None Known

SECTION VII – SAFETY IN HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: No special procedure.

WASTE DISPOSAL METHOD: For disposal of this material as a waste, act in accordance with all applicable Federal, state and local waste management regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: As with any plastic film, adequate ventilation is recommended during hot wire cutting if fumes develop. The hot wire should be kept clean and adjusted, using the minimum temperature necessary to effectively cut off and seal. If there is no hot-wire cutting involved in the process, and therefore no fumes, no special precautions are necessary.

OTHER PRECAUTIONS: None Known

SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not necessary when using appropriate sealing system or when no sealing is taking place.

VENTILATION: If decomposition products exceeds TLVs or PELs

PROTECTIVE GLOVES: Not required

EYE PROTECTION: Not required

OTHER PROTECTIVE EQUIPMENT: Not Known

WORK HYGIENIC PRACTICES: Use appropriate work practices to maintain exposures below TLV or PEL.



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