

NEW SOLID INTERNATIONAL CORPORATION

MATERIAL SAFETY DATA SHEET

Date Prepared 2020/02/20

Product Summary - PVC (Polyvinylchloride) Shrinkable Film

- Recycling Symbol 03 PVC
- Recycling Considerations: General re-melting and filtration process can be used.
- Disposal: Should not be burned, generates HDI. General dumping and landfill system compatible.
 Non-biodegradable.
- 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 63% reduction of original layflat size

SECTION I - PRODUCER

Manufacturer: New Solid International Corp. Emergency Telephone: Taiwan +886-7-286 9966

Product Class: Polyvinyl Chloride (PVC) Manufacturer's Code Identification

Product Name: Solid Seal® PVC Shrinkable Film

Formula: NT

SECTION II - INGREDIENTS

Main Ingredient	Typical Percent	O SHA PEL Gas Fume Dust ppm mg/m3	ACGIH TLV Gas Fume Dust ppm mg/m3	CAS NUMBERS
Polyvinyl Chloride resin (Not a hazardous material, under OSHA standards)	70-80%	N/D	N/D	9002-86-2

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

SECTION III - PHYSICAL DATA

MELTING RANGE: 200-250°C VAPOR DENSITY: N/A EVAPORATION RATE: N/A BOILING POINT: 310°C VAPOR PRESSURE: N/A SPECIFIC GRAVITY: 1.4kg/d m³

APPEARANCE AND ODOR: Clear Plastic Film, with light odor

SOLUBILITY IN WATER: INSOLUBLE

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

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A LEL: N/A UEL; N/A

EXTINGUISHING MEDIA: Water, Carbon Dioxide, or other standard fire-fighting agents SPECIAL FIRE FIGHTING PROCEDURES: Use self-contained b reathing apparatus

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



NEW SOLID INTERNATIONAL CORPORATION

SECTION V - REACTIVITY DATA

STABILITY: Stable HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Extreme heat or flame

MATERIALS TO AVOID: None Known

HAZARD OUS DECOMPOSITION PRODUCTS: Hydrogen chloride, carb on monoxide

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

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 PVC; thermal decomposition products may produce eye, nose and throat irritation. When sealed properly using equipment with Teflon-covered heating element, this product does not thermally decompose.

CARCINO GENICITY: NTP?- No IAR MONOGRAPHICS?- 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

<u>SECTION VII – SAFETY IN HANDLING AND USE</u>

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 HY GIENIC PRACTICES: Use appropriate work practices to maintain exposures below TLV or PEL.

All statements, technical information and recommendations contained herein are based on tests and data which New Solid believes to be currently reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of New Solid or others covering any process, composition of matter or use. Since New Solid shall have no control of the use of the product described herein, New Solid assumes no liability for loss or damage incurred from the proper or improper use of such product.