

# SAFETY DATA SHEET



## 1. Product and Company Identification

Product Name: Reynco 53-877 PLW Adhesive

The Reynolds Company  
10 Gates Street  
Greenville, SC 29611  
(864) 232-6791

Emergency Phone Number (24 hours/day)  
Chemtrec: 800-424-9300

For additional health, safety, or regulatory information,  
call 864-232-6791 during business hours.

Product Use: Product Assembly Adhesive  
Not recommended for: structural applications.

## 2. Hazards Identification

### GHS Ratings:

### GHS Hazards

H335 May cause respiratory irritation

### GHS Precautions

P103	Read label before use
P281	Use personal protective equipment as required
P302+P334	IF ON SKIN: Immerse in cool water/wrap in wet bandages
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention

Signal Word:

Acute Toxicity: None

**Conditions Aggravated:** Hot fumes may cause eye, skin or respiratory irritations

**Chronic Effects:** None known.

## 3. Composition Information on Ingredients

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for exposure limit guidelines.

## 4. First Aid Measures

**Inhalation:** Not likely. Move victim to fresh air if needed.

**Eye Contact:** For material in supplied state - immediately flush eyes with plenty of water for at least 15 minutes- occasionally lift eyelids. Call a physician if irritation persists.

**Skin Contact:** For contact with material as supplied- wash with soap and and water. For molten adhesive- immediately immerse in or flush with large amounts of cold water to dissipate heat. Cover with clean cotton and get prompt medical attention.

**Ingestion:** Not likely in normal use. If swallowed, do not induce vomiting. Give 2 glasses of water (16oz.) and contact a physician.

**Notes to Physician:** Product in original form should pose no hazard. Material is heated to apply. Molten material may cause burns.

**5. Firefighting Measures**

Flash Point: Not determined

LEL:

UEL:

**Flammable Limits:** Not established

**Extinguishing Media:** Water spray of fog, CO2, or dry chemical. Use care not to splash adhesive.

**Unusual Fire and Explosion Hazards:** Material will burn in a fire.

**Hazardous Combustion Products:** None hazardous. Carbon dioxide, carbon monoxide and various hydrocarbons.

**Firefighting:** Wear self-contained breathing apparatus.

**Fire Equipment:** Wear self-contained breathing apparatus. Keep containers cool to prevent rupture.

**6. Accidental Release Procedures**

**Spillage:** Ensure that all clean-up personnel wear all appropriate protective equipment. Do not allow material to get into sewer or waterway. Material in pellet form can present a slip hazard.

**Small Spills:** Sweep or vacuum materials. Dispose in trash. Material in pellet form can present a slip hazard.

**Large Spills:** Sweep or vacuum materials. Dispose of as non hazardous waste. Material in pellet form can present a slip hazard.

**7. Handling and Storage**

**Handling:** Routine housekeeping should be in place to assure that material does not accumulate on surfaces. Clean up small spills.

**Storage Requirements:** Normal storage temperatures in a dry warehouse.

**Regulatory Requirements:** During melt processing air removal or air flow may be necessary.

**8. Exposure Control and Personal Protection**

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
	Not Established	Not Established	Not Established

**Engineering Controls:** Ventilation should be sufficient to control airborne levels/fumes.

**Ventilation:** Use in a properly ventilated area.

**Administrative Controls:** Use good personal hygiene when handling this product. Wash hands after use, before smoking, eating, or using the toilet.

**Protective Gear:** Wear safety glasses near extrusion and fill points. Wear heat resistant gloves when working

near molten material.

**Contaminated Gear:** Use care if molten material is on gear. Do not try to remove until it has cooled.

## 9. Physical and Chemical Properties

Properties are supplied for safety, health and environmental considerations and may not fully represent product specifications.

<b>Flammability:</b> Not determined	<b>pH:</b> Not applicable
<b>Specific Gravity:</b> 0.98	<b>Ring &amp; Ball Softening Point:</b> 244°F - 252°F
<b>Freezing point:</b> Not applicable	<b>Solubility:</b> Insoluble in water
<b>Boiling range:</b> Not determined	<b>Flash point:</b> Not determined
<b>Evaporation rate:</b> Not determined	<b>Explosive Limits:</b> Not determined
<b>Partition coefficient (n- octanol/water):</b> Not determined	<b>Autoignition temperature:</b> Not determined
<b>Decomposition temperature:</b> Not determined	<b>Viscosity:</b> 3,500 - 4,900 cps@350°F
<b>Grams VOC less water:</b> Not determined	<b>Appearance:</b> Yellow to amber solid
<b>Odor:</b> Resinous	<b>Vapor Pressure:</b> Not determined
<b>Odor threshold:</b> Not determined	<b>Vapor Density:</b> Heavier than air

## 10. Stability and Reactivity

**Stability:**

STABLE

**Incompatible Materials:**

**Hazardous Decomposition Products:**

## 11. Toxicological Information

**Mixture Toxicity**

**Toxicity:** Information appears only if there are issues that need to be considered.

**Routes of Entry:** Material in furnished state does not pose any hazards.

**Target Organs:** Exposure to this material may affect the following organs:

**Skin:** Contact with molten material can cause burns.

**Eyes:** Vapors from molten product might cause eye irritation.

**Respiratory System:** Vapors from molten product might cause nose irritation.

**Effects of Overexposure**

**Carcinogenicity:** None

## 12. Ecological Information

**Ecological:** Any information available follows.

### 13. Disposal Considerations

**Disposal:** Reclaim if feasible. If disposal is required, dispose of material and waste in a sanitary landfill or incinerate in an industrial, commercial, or municipal incinerator.

### 14. Transport Information

#### Transportation Instructions:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Not regulated			
IATA	Not regulated			

### 15. Regulatory Information

The following information is provided based upon the best information at our disposal.

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
	SARA Title III	No
	Toxic Substances Control Act	Yes

All components of this product are on the TSCA Inventory or are exempt from TSCA requirements.

- None

### 16. Other Information

For any valid claim presented under the limited warranty, Reynolds will replace the product, or, at its option, refund the purchase price. This replacement/refund resolution is the purchaser's sole and exclusive remedy against Reynolds. The purchaser agrees that no other resolution (including but not limited to lost profits, lost sales, injury to person or property or any other incidental or consequential loss) shall be available to purchaser for claims arising out of any use of the product regardless of the legal theory (contract, tort or other). In no event will Reynolds be obligated to pay damages to purchaser in any amount exceeding the price that the purchaser paid for the product.

The Reynolds Company ("Reynolds") warrants that our products are manufactured in accordance with Reynolds' specifications in effect on the date of manufacture. These specifications are available upon request. This Warranty does not cover test data, or any defects, damages or other harms caused to any extent or in any way by failure to follow applicable Reynolds instructions, if any, or abuse /misuse of the product

Any claim made or action commenced by purchaser/end user under Reynolds' limited warranty as set forth herein must be brought within one year from date of shipment from Reynolds to the purchaser. Purchaser agrees that all disputes arising from Reynolds' sale of product to purchaser shall be brought, if at all, in and before a court located in the state of South Carolina, to the exclusion of the courts of any other state.

#### Hazardous Material Information System (HMIS)

HEALTH	1	<b>HMIS &amp; NFPA Hazard Rating Legend</b> * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	1	
PHYSICAL HAZARD	0	
PERSONAL PROTECTION	B	

**DISCLAIMER** - The warranty, as stated above, supersedes all other warranties, express or implied. The Reynolds Company expressly disclaims any other warranties, including warranties of merchantability and fitness for a particular purpose. Reynolds Company's acceptance of purchaser's order for this product is expressly conditional on purchaser's assent to terms and conditions set forth herein. Regardless of whether The Reynolds Company suggested the product or developed the product at the purchaser's request, it is the purchaser's responsibility to test and determine the suitability of the product for the purchaser's intended use and purpose, and purchaser assumes all risk and liability whatsoever.

We believe the information included on this Material Safety Data Sheet to be correct, to the best of our knowledge. The recommendations

and suggestions herein are made without guarantee or representation as to results. We recommend that tests be made in a laboratory or plant to determine if this product meets all of your requirements. It is the responsibility of the buyer/user to determine the suitability of this product for his/her application/requirements.

Date revised: 2017-10-10

Date Prepared: 10/10/2017

Reviewer Revision



### TOLERANCE SPECIFICATION

One side corona treated Polyester film suitable for Metallising, printing, and lamination and has good wettability & excellent machinability.

Sr. No.	Properties		Unit	Test Method	Tolerance Vaules		
<b>General</b>							
1	Thickness		Micron (Gauge)	JBF Method	Nominal	Min	Max
2	Yield		M <sup>2</sup> / Kg	JBF Method	12 (48)	11.6 (46.4)	12.4 (49.6)
					59.5	58.5	60.5
<b>Mechanical</b>							
1	Tensile Strength at Break	MD	Kg / cm <sup>2</sup> (Lb / In <sup>2</sup> )	ASTM D 882	2100 (31290)	1900 (27024)	2400 (34135)
		TD			2100 (31290)	1900 (27024)	2600 (36980)
2	Elongation at Break	MD	%	ASTM D 882	100	90	170
		TD			100	80	170
3	Co-efficient of friction (Static) Film In side to Out side		—	ASTM D 1894	0.55	0.35	0.06
<b>Thermal</b>							
1	Skrinkage @ 150° C/30'	MD	%	ASTM D 1204	2	1.6	2.4
		TD			0.4	0	0.8
<b>Optical</b>							
1	Haze		%	ASTM D 1003	3.5	2	4.5
<b>Surface Treatment Level</b>							
1	Corona Side		Dynes/cm	JBF Method	56	52	58
2	Plain Film Side		Dynes/cm	JBF Method	44	42	46
<b>Barrier Properties</b>							
1	WVTR		gm/ m <sup>2</sup> / day	ASTM E 96 38°C 90 %RH	45		
			Gm / 100in <sup>2</sup> / day		3		
2	Oxygen Transmission Rate (OTR)		cc / m <sup>2</sup> / day	ASTM D 3985 23°C 0 %RH	110		
			CC / 100in <sup>2</sup> / day		7		

The information given above is to the best of our knowledge and experience. Some of the properties can be changed as a result of suppliers' efforts to improve upon the quality or production efficiency of the subject. The information is believed to be true and accurate and is not intended to violate any statutory condition or right of a third party. FSI makes no warranty, express or implied, as to the fitness of the product for any specific use or purpose. The above data is purely for readers' consideration, investigation and verification and should be read in conjunction with the conditions for sale or contract.



## POLYESTER NONWOVEN

PROPERTY	TEST METHOD	TYPICAL VALUE
FABRIC WEIGHT	ASTM D3776	2.65 - 2.95 oz/y <sup>2</sup>
		90 - 100 g/m <sup>2</sup>
GRAB TENSILE STRENGTH (MD / TD)	ASTM D5034	78.7 / 74.2 lbf
		350 / 330 N
GRAB TENSILE % ELONGATION (MD / TD)	ASTM D5034	50 / 50 %
TRAPEZOIDAL TEAR TD	ASTM D1117	39.3 lbf
		175 N
THICKNESS	FSC 1010	18.5 mils
		0.47 mm

**Product Description:** Spunbonded nonwoven fabric flat calendered made with high recycled polyester content.

**Characteristics:**

- 100% recyclable
- Thermally bonded
- High strength to weight ratio
- Excellent dimensional stability
- Rot & mildew resistant
- No formaldehyde content (per Japanese Law 112)
- No fraying
- Low shrinkage
- High recycled polyester content
- Chemically inert

**Primary Applications:**

- Landscape/weed black fabric
- Geotextiles
- Patio / Paver underlayment
- Drainage fabric

**Certifications:**

- TS16949
- ISO 14001

To the best of our knowledge, the information contained herein is accurate. However, Fabric Sources International does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.