MATERIAL SAFETY DATA SHEET

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This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION I - Product Identification

Product Name: SIL17DA-2618 FLEXIBLE RESIN
UN/NA Number: UN1866
General or Generic ID: Unsaturated Polyester Resin
Hazard Classification: Flammable Liquid

SECTION II - Hazardous Components

Ingredient	Cas No.	Percent	OSHA-PEL	ACGIH-TLV	NOTE
Unsaturated Polyester Base Resin	See Index	68- 72	None-Estb.	None-Est.	
Proprietary Ingredient	xxxxxxxxxx	28- 32	100 ppm TWA	50 ppm	

SECTION III - Physical Data

Property		Measurement
Boiling Point for Vinyl Toluene		339.90 DEG F @ 760.00 MMHG
Vapor Pressure for Vinyl Toluene		1.1 MMHG (20.00 DEG C)
Vapor Density	Air = 1	4.08
Specific Gravity		1.11 - 1.13 @ 77.00 DEG F (25.00 DEG C)
Percent Non-volatiles		68-072%
Evaporation Rate		Slower than Ether

SECTION IV - Fire and Explosion Data

Flash Point	127 DEG F for Volatile Component (Method used: TCC)		
Flammable	(Lowest Value of Vinyl Toluene)	Lower - 1.1%	51 DEG C
	(Upper Value of Vinyl Toluene)	Upper - 5.2%	84 DEG C

Extinguishing Media: Regular foam or carbon dioxide or dry chemical.

Hazardous Decomposition Products: May form toxic materials:, carbon dioxide and carbon monoxide, various hydrocarbons.

Special Firefighting Procedures: Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially if sprayed into containers of hot, burning liquid.

Wear self-contained breathing apparatus with a full face-piece operated in pressure demand or other positive pressure mode when fighting fires.

Unusual Fire & Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

SECTION V - Health Data

Permissible Exposure Level: Not established for product. See Section II.

Effects of Overexposure: For Vinyl Toluene

Eyes - Can cause severe irritation, redness, tearing, blurred vision.
Skin - Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.
Breathing - Excessive inhalation of vapors can cause nasal irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.
Swallowing - Can cause gastrointestinal irritation, nausea, vomiting, diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

First Aid:

If on Skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.
If in Eyes: Flush with large amount of water, lifting upper and lower lids occasionally. Get medical attention.
If Swallowed: do not induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.
If Breathed: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention.

SECTION VI - Reactivity Data

Hazardous Polymerization: Can occur.
Stability: Stable.
Incompatibility: Avoid contact with: strong alkalies, strong mineral acids and oxidizing agents.
Conditions to Avoid: Exposure to excessive heat or open flame; storage in open containers ; prolonged storage (6 months), storage above 38 DEG C (100 DEG F).Contamination with oxidizing agents.
Hazardous Decomposition Products:Carbon Monoxide, Carbon Dioxide, Low Molecular Weight Hydrocarbons, Organic Acids.

SECTION VII - Spill or Leak Procedures

Steps to be Taken in Case Material is Released or Spilled:

Small Spill: Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material and transfer to hood.
Large Spill: Eliminate all ignition sources (flares, flames, including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into containers.
Waste Disposal Method:

Small Spill: Allow volatile portion to evaporate in hood. Allow sufficient time for vapors to completely clear hood duct work. Dispose of remaining material in accordance with applicable regulations.
Large Spill: Destroy by liquid incineration in accordance with applicable regulations.
Contaminated absorbent should be disposed of in accordance with local, state and federal regulations.

SECTION VIII - Protective Equipment to be Used

Respiratory Protection: If TLV of the product or any component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier.) Engineering or administrative controls should be implemented to reduce exposure.
Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).
Protective Gloves: Wear resistant gloves such as:, neoprene, nitrile rubber.
Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses (consult your safety equipment supplier).
Other Protective Equipment: Normal work clothing covering arms and legs.

SECTION IX - Special Precautions or Other Comments

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapors, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with Interplastic or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

BASE RESIN CAS INDEX

The base resins indicated under Section II are identified by one or more of the following CAS numbers:

113060-15-4	141224-31-9	29403-69-8	67712-08-7
135108-89-3	145417-47-6	30110-00-0	67845-68-5
1352626-53-9	14807-96-6	30946-90-8	67859-89-6
1352626-54-0	149717-53-3	31260-98-7	67939-08-6
1352626-55-1	155122-62-6	31472-46-5	67939-09-7
1352626-56-2	167747-48-0	32505-78-5	67939-40-6
1352626-57-3	21645-51-2	32677-47-7	67990-44-7
1352650-31-7	25037-66-5	32762-75-7	68002-44-8
1352650-32-8	25101-03-5	36346-15-3	68140-84-1
1356821-61-8	25215-72-9	36425-15-7	68140-88-5
1356821-62-9	25464-21-5	36425-16-8	68171-28-8
1356821-63-0	25609-89-6	37339-47-2	68238-98-2
1356821-64-1	25749-46-6	37347-86-7	68299-40-1
1356821-65-2	25749-49-9	37625-93-7	68492-68-2
1356821-66-3	25987-82-0	37999-57-8	68511-26-2
1356844-12-6	26098-37-3	42133-45-9	68585-94-4
1356844-15-9	26123-45-5	477767-44-5	69013-22-5
1364010-85-4	26265-08-7	49624-93-3	
1373121-77-7	26301-26-8	51394-65-1	
1373121-78-8	26588-55-6	58182-50-6	
1373121-79-9	28572-30-7	62569-28-2	
1373121-80-2	28679-80-3	64386-66-9	
1373140-61-4	287723-38-0	64386-67-0	
1374301-59-3	29011-83-4	67380-21-6	
1374821-41-6	29350-58-1	67599-39-7	