



PLASTRUCT	MATERIAL SAFETY DATA SHEET	Date Revised: JAN 2005
Weldene Cement		Supersedes: Original

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. IPS Corporation urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents and contractors of the information on this sheet.

SECTION I

MANUFACTURER'S NAME : IPS Corporation 17109 S. Main St., P.O.Box 379, Gardena, CA. 90248	Transportation Emergencies: CHEMTREC: (800) 424-9300 Medical Emergencies: 3 E COMPANY (24 Hour No.) (800) 451-8346 Business: (310) 898-3300
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CHEMICAL NAME and FAMILY Polystyrene Solvent Adhesive Mixture of Polystyrene Resin and Organic Solvents	TRADE NAME: PLASTRUCT WELDENE 3547 Adhesive FORMULA: Proprietary
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SECTION II - HAZARDOUS INGREDIENTS

None of the ingredients below are listed as carcinogens by IARC, NTP or OSHA	CAS#	APPROX %	ACGIH-TLV	ACGIH-STEL	OSHA-PEL	OSHA-STEL
Other Limits						
Dipentene Turpene Hydrocarbon N/A = Not Applicable	68956-56-9	60 – 85	N/E	N/E	N/A	N/E = Not Established

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from such listing.

SHIPPING INFORMATION DOT Shipping Name: Pine Oil DOT Hazard Class: 3 Identification Number: UN 1272 Packaging Group: III Label Required: None	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">SPECIAL HAZARD DESIGNATIONS</th> </tr> <tr> <th style="width:30%;"></th> <th style="width:20%;">HMIS</th> <th style="width:20%;">NFPA</th> <th style="width:30%;">HAZARD RATING</th> </tr> <tr> <td>HEALTH:</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0 - MINIMAL</td> </tr> <tr> <td>FLAMMABILITY:</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1 - SLIGHT</td> </tr> <tr> <td>REACTIVITY:</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2 - MODERATE</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT:</td> <td colspan="2" style="text-align: center;">B - G</td> <td style="text-align: center;">3 - SERIOUS</td> </tr> <tr> <td></td> <td colspan="2"></td> <td style="text-align: center;">4 - SEVERE</td> </tr> </table> <p>B = Eye and Hand/Skin Protection (Normal application and cleanup) G = Eye, Hand/Skin Protection and Respiratory Protection (Dipping, immersion and large spill clean-up)</p>	SPECIAL HAZARD DESIGNATIONS				HMIS	NFPA	HAZARD RATING	HEALTH:	2	0	0 - MINIMAL	FLAMMABILITY:	2	1	1 - SLIGHT	REACTIVITY:	0	0	2 - MODERATE	PROTECTIVE EQUIPMENT:	B - G		3 - SERIOUS				4 - SEVERE
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SECTION III - PHYSICAL DATA

APPEARANCE Clear, water-thin liquid	ODOR Pine-like fragrance	BOILING POINT (°F/°C) 212°F (100°C)
SPECIFIC GRAVITY @ 73°F ± 3.6° (23°C ±2°) Typical 0.893 ± 0.040	VAPOR PRESSURE (mm Hg.) N.E.	PERCENT VOLATILE BY VOLUME (%) 70 - 80%
VAPOR DENSITY (Air = 1) > 1	EVAPORATION RATE (BUAC = 1) N.E.	SOLUBILITY IN WATER Solvent portion completely soluble in water. Resin portion separates out.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT >100°F (38°C)	FLAMMABLE LIMITS (Percent by Volume)	LEL NE	UEL NE
FIRE EXTINGUISHING MEDIA Foam, dry chemical, water fog.			
SPECIAL FIRE FIGHTING PROCEDURES Normal fire fighting procedures may be used. Water is unsuitable for use on burning material but may be used to cool containers exposed to heat. Use caution when approaching or handling fire exposed containers. Firefighters should wear self-contained breathing apparatus (SCBA).			
UNUSUAL FIRE AND EXPLOSION HAZARDS None noted.			

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY:

_____ Inhalation ___X___ Skin Contact ___X___ Eye Contact _____ Ingestion

EFFECT OF OVEREXPOSURE

ACUTE

INHALATION: N/A
 SKIN CONTACT: Non-irritating under normal circumstances. May cause mild irritation (rash) to sensitive skin.
 EYE CONTACT: Possible transitory (temporary) eye irritation.
 INGESTION: Not expected to produce toxic effects unless large amounts ingested. May cause upset stomach, nausea, vomiting.

CHRONIC:

None currently known

REPRODUCTIVE EFFECTS	TERATOGENICITY	MUTAGENICITY	EMBRYOTOXICITY	SENSITIZATION TO PRODUCT	SYNERGISTIC PRODUCTS
N. AP.	N. AP.	N. AP.	N. AP.	N. AP.	N. AV.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None specifically known. Possible eye, skin and respiratory inflammation.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove patient to fresh air/well ventilated area. If necessary, consult a physician.
 EYE CONTACT: Do not rub eyes. Flush with plenty (large amounts) of water (15 minutes). If irritation persists, get medical attention.
 INGESTION: If swallowed, do not induce vomiting. Call physician or poison control center immediately.
 SKIN IRRITATION: Not irritating under normal conditions. Wash with soap and plenty of water. If irritation persists, get medical attention.

SECTION VI - REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID Avoid contact with any source of ignition, sparks, heat or flames.
	STABLE	X	

INCOMPATIBILITY (MATERIALS TO AVOID) PVC and CPVC plastic piping and plastic containers.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID N/A
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 Contain by diking with sand, earth, or other absorbent material. For small spill, wash with plenty of water and rinse.
 CAUTION: Will cause walking surfaces to be slippery. Use normal good housekeeping procedures.

WASTE DISPOSAL METHOD

No special disposal methods required.
 Follow all Local, State and Federal regulations.
 Consult disposal expert.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)
 None required with normal ventilation.

VENTILATION
 Provide adequate ventilation. (Normal ventilation is adequate.)

PROTECTIVE GLOVES
 Rubber or polyethylene when hands are to be immersed or exposed for extended period(s) of time.

EYE PROTECTION
 Safety glasses or spectacles with brow guards and side shields. Chemical goggles when risk of splashed material is present.

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES
 N/A

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
 Store in glass, tin-lined, stainless steel or epoxy-lined containers to preserve quality. Do not store in plastic. Store in closed containers away from heat or sources of ignition and oxidizing materials. Protect against physical damage to containers. Keep containers securely closed and out of the reach of children. Avoid freezing conditions. Use older containers first. No other special handling precautions. Follow good industrial safety practices.

OTHER PRECAUTIONS
 Follow all precautionary information given on container label and product bulletins. Avoid accidental contact with painted or finished surfaces. May cause softening of plastic surfaces. All material handling equipment should be electrically grounded.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.