Ν	IATERIAL S	SAFETY D	ATA SHEE	Γ	Date Revi	ised: July	2005	
Information on this form is furnished solely for purpose. T. Christy Enterprises, Inc. urges the of of the product involved. In the interest of safety	customers receiving th	his Material Safety	y Data Sheet to stud	dy it carefully	to become awa	re of the haz		
		SECTION	I					
MANUFACTURER'S NAME: T. Christy Enterprises, Inc. ADDRESS: 655 East Ball Road, Anaheim, CA 92 (714) 507-3300 FAX: (714)507-		Transportation Emergencies: INFOTRAC: (800) 535-5053 Medical Emergencies: (800) 451-8346						
CHEMICAL NAME and FAMIL Solvent Cement for PVC Plastic Pipe Mixture of PVC Resin and Organic S	FORMU	TRADE NAME: Christy's RED HOT BLUE GLUE [®] FORMULA: Proprietary ZARDOUS INGREDIENTS						
None of the ingredients below are listed a			SINGREDIE. ILV ACGIH-STE		L OSHA-STEI	L (A) AEL (F	B) STEL	
carcinogens by IARC, NTP or OSHA Polyvinyl Chloride Resin (PVC) Tetrahydrofuran (THF)** Methyl Ethyl Ketone (MEK) Cyclohexanone	NON/HAZ 109-99-9 55 - 7 78-93-3 7** 108-94-1 5-20	200 PPN	300 PPM	N/A 200 PPM 200 PPM 25 PPM	300 PPM	25 PPM	75 PPM	
**Title III Section 313 Supplier Notification; This Community Right-to-Know Act of 1986 and of 40C (A) Dupont's & BASF Mfg's acceptable Exposu	FR372. This information	on must be included	in all MSDS'S that	are copied and	distributed for thi	s material.	-	
**Information found in a report from the Natio cause tumors in animals. In the study the rats a week. Test results showed evidence of liver tum There is no data linking Tetrahydrofuran expos	onal Toxicology Progr and mice were expose nors in female mice an	am (NTP) on an is ed to THF vapor le id kidney tumors is	nhalation study in r evels up to 1800 PI	rats and mice PM for two y	suggests that Tet ears (their lifetir	trahydrofurar ne), 6 hours/	n (THF) can day, 5 days/	
BULK SHIPPING INFORMATION / CONTAI DOT Shipping Name: Adhes DOT Hazard Class: 3 Identification Number: UN 11 Packaging Group: II Label Required Flamm		HEALTH: FLAMMABI REACTIVIT	SPECIAL HAZARD DESIGNATIONSHEALTH:220-MINIMALFLAMMABILITY:331-SLIGHTREACTIVITY:012-MODERATEPROTECTIVE:3-SERIOUS			T RATE		
DOT Shipping Name: Consu				EQUIPMENT: H 4-SEVERE				
	SECTIO	N III - PHYS	ICAL DATA					
APPEARANCE Blue medium syrupy liquid	ODOR BOILLING POINT (°F/°C) Ethereal 151°F (67°C)Based on first boiling component:					onent: THF		
SPECIFIC GRAVITY@73°F ± 3.6°F(20°C±2°) Typical 0.946 ± 0.040	143 mm Hg. based on first boiling component, THF @68°F (20°C)				PERCENT VOLATILE BY VOLUME(%) Approx: 80 - 90%			
VAPOR DENSITY (Air=1) 2.49	EVAPORATION RATE (BUAC = 1) SOLUBILITY IN WATER Solvent portion completely soluble in water; Resin portion separates out					separates out.		
VOC STATEMENT: VOC as manufactured: 760 G					6A: 550 Grams/L	iter.		
FLASH POINT	N IV - FIRE AN	DEXPLOS	ION HAZAR		BLE LIMITS	LEL	UEL	
-4°F (-20°) T.C.C. Based on THF FIRE EXTINGUISHING MEDIA				(PERCENT B	y volume) propriately size	2.0 ed ABC dry	11.8 chemical,	
carbon dioxide, or foam extinguisher can b		es. Use of a wate	er fog by trained p	personnel ca	n extinguish sn	nall/large fi	res.	
SPECIAL FIRE FIGHTING PROC Evacuate enclosed areas, stay upwind. Close Use water spray to cool containers, to flush sp	or confined quarters r ills from source of ign	nition and to disp	erse vapors.					
UNUSUAL FIRE AND EXPLOSI may travel to source of ignition at or near group			se of low flash poir	nt and high vo	latillity. Vapors	are heavier th	an air and	

SECTION V - HEALTH HAZARD DATA							
PRIMARY ROUTES OF ENTRY: x Inhalation x Skin Contact Eye Contact Ingestion							
EFFECT OF OVEREXPOSURE ACUTE: Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages. Skin Contact: Skin irritant. Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact. Skin Absorption: Prolonged or widespread exposure may result in the absorption of harmful amounts of material.							
Eye Contact: Overexposure may result in severe eye injury with corneal or conjuctival inflammation on contact with the liquid. Vapors slightly uncomfortable Ingestion: Moderately toxic. May causes nausea, vomiting, diarrhea. May cause mental sluggishness.							
CHRONIC: Symptons of respiratory tract irritation and damage to respiratory epithelium were reported in rats exposed to 5000 ppm THF for 90 days. Elevation of SGPT suggests a disturbance in liver function. The NOEL was reported to be 200 ppm							
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: Individuals with pre-existing diseases of the eyes, skin or respiratory system may have increased susceptibility to the toxicity of excessive exposures.							
EMERGENCY AND FIRST AID PROCEDURES Inhalation: If overcome by vapors. remove to fresh air and if breathing stopped, give artificial respiration. If breathing is difficult, give oxygen. Call doctor Eye Contact: Flush eyes with plenty of water for 15 minutes and call a doctor. Skin Contact: Remove contaminated clothing and shoes. Wash skin with plenty of soap and water for at least 15 minutes. If irritation develops,							
get medical attention. Ingestion: Give 1 or 2 glasses of water or milk. Do not induce vomiting. Call physician or poison control center immediately.							
SECTION VI - REACTIVITY							
STABILITY UNSTABLE CONDITIONS TO AVOID STABLE X Keep away from heat, sparks, open flame and other sources of ignition.							
STABLE X Keep away from heat, sparks, open flame and other sources of ignition. INCOMPATIBILITY (MATERIALS TO AVOID) Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.							
HAZARDOUS DECOMPOSITION PRODUCTS When forced to burn, this product gives out carbon monoxide, carbon dioxide, hydrogen chloride and smoke.							
HAZARDOUSMAY OCCURCONDITIONS TO AVOIDPOLYMERIZATIONWILL NOT OCCURXKeep away from heat, sparks, open flame and other sources of ignition.							
SECTION VII - SPILL OR LEAK PROCEDURES							
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Eliminate all ignition sources. Avoid breathing of vapors. Keep liquid out of eyes. Flush with large amount of water. Contain liquid with sand or earth. Absorb with sand or non-flammable absorbent material and transfer into steel drums for recovery or disposal. Prevent liquid from entering drains.							
WASTE DISPOSAL METHOD Follow local, State and Federal regulations. Consult disposal expert. Can be disposed of by incineration. Excessive quantities should not be permitted to enter drains. Empty containers should be air dried before disposing. Hazardous Waste Code: 214							
SECTION VIII - SPECIAL PROTECTION INFORMATION							
RESPIRATORY PROTECTION (Specify type) Atmospheric levels should be maintained below established exposure limits contained in Section II. If airborne concentrations exceed those limits, use of a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. The effectiveness of an air purifying respirator is limited. Use it only for a single short-term exposure. For emergency and other conditions where short term exposure guidelines may be exceeded, use an approved positive pressure self-contained breathing apparatus.							
VENTILATION Use only with adequate ventilation. Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits set forth in Section II. Use only explosion proof ventilation equipment.							
PROTECTIVE GLOVES EYE PROTECTION PVA coated Splashproof chemical goggles							
OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES							
Impervious apron and a source of running water to flush or wash the eyes and skin in case of contact. SECTION IX - SPECIAL PRECAUTIONS							
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store in the shade between 40°F - 110°F. Keep away from heat, sparks, open flame and other sources of ignition. Avoid prolonged breathing of vapor. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Train employees on all special handling procedures before they work with this prod							
OTHER PRECAUTIONS Follow all precautionary information given on container label, product bulletins and our solvent cementing literature. All 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.							