

**U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration**

MATERIAL SAFETY DATA SHEET

**Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding and Shipbreaking (29 CFR 1915, 1916, 1917)**

SECTION I

MANUFACTURER'S NAME SWARCO INDUSTRIES, INC.		EMERGENCY TELEPHONE NO. (931) 388-5900	
ADDRESS (Number, Street, City, State & Zip Code) P.O. Box 89, 270 RUTHERFORD LANE, COLUMBIA, TN 38402-0089			
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME AND SYNONYMS ThermoPrint HT	
CHEMICAL FAMILY Modified glycerol ester of rosin		Category Thermoplastic Road Marking Compound	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES & SOLVENTS	%	TVL(Units)	ALLOYS & METALLIC COATINGS	%	TVL (Units)
PIGMENTS	N/A		BASE METAL	N/A	
CATALYST	N/A		ALLOYS	N/A	
VEHICLE	N/A		METALLIC COATINGS	N/A	
SOLVENTS	N/A		FILLER METAL PLUS	N/A	
ADDITIVES	N/A		COATING OR CORE FLUX		
OTHERS			OTHERS		
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES				%	TVL (Units)
To the best of our knowledge, this material is non-hazardous as per our					
OSHA 29CFR 1910 1200					

SECTION III - PHYSICAL DATA

SOFTENING POINT (F)	200° F	SPECIFIC GRAVITY (H2O=1)	2.3
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME %	<1
VAPOR DENSITY (AIR =1)	N/A	EVAPORATION RATE (_____ =1_)	N/A
SOLUBILITY IN WATER	N/A	ASTM D 2369-81	
APPEARANCE AND ODOR: WHITE IN COLOR; SLIGHT APPRECIABLE ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used) 500° F	FLAMMABLE LIMITS	Lol N/A	Uol N/A
EXTINGUISHING MEDIA WATER, CO2, Foam, Dry Chemical, Carbon Dioxide			
SPECIAL FIRE FIGHTING PROCEDURES Wear self contained breathing apparatus in the positive pressure mode to avoid smoke & fumes.			
UNUSUAL FIRE AND EXPLOSION HAZARDS N/A			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	N/A
EFFECTS OF OVEREXPOSURE	NONE for cold product. Hot or molten thermoplastic may cause serious burns to unprotected skin.
EMERGENCY AND FIRST AID PROCEDURES	When exposed to molten or heated thermoplastic material, flush with cold water, do not attempt to remove product from skin or eyes, seek medical attention immediately.

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
stable at <475° F	STABLE	XX	Temperatures above 500° F.
INCOMPATIBILITY (Materials to avoid)			
Should not be brought into contact with strong oxidizing agents.			
HAZARDOUS DECOMPOSITION PRODUCTS			
Carbon Monoxide, Carbon Dioxide			
HAZARDOUS	MAY OCCUR		CONDITIONS TO AVOID
POLYMERIZATION	WILL NOT OCCUR	XX	STORAGE ABOVE 120 DEGREES F; MOISTURE

SECTION VII - SPILL OR LEAK PROCEDURES			
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED			
Allow material to solidify. Collect material or scrape off surface.			
WASTE DISPOSAL METHOD			
Dispose of in compliance with local, State and Federal Regulations			

SECTION VIII SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (specify Type)			
N/A			
VENTILATION	LOCAL EXHAUST	N/A	SPECIAL
Heat where well ventilated		N/A	OTHER
PROTECTIVE GLOVES		EYE PROTECTION	
Wear heat protective gloves when molten.		Face Shield/ Safety goggles when molten.	
OTHER PROTECTIVE EQUIPMENT			
Wear long sleeve shirts, long pants, hard soled shoes.			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Store in temperatures below 120°. Store in cool, dry place.	
OTHER PRECAUTIONS	
Provide adequate ventilation. Use respirators when exposure exceeds acceptable limits.	
Use NIOSHA/OSHA approved respiratory protection equipment in poorly ventilated areas.	