



MATERIAL SAFETY DATA SHEET

SWARCOTHERM™ ALKYD THERMOPLASTIC FOR ROAD/PAVEMENT MARKING

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 RAE PRODUCTS & CHEMICALS	EMERGENCY TELEPHONE NO. (877) 275-7550
ADDRESS (Number, Street, City, State & Zip Code) 11638 SOUTH MAYFIELD AVE. ALSIP, IL 60803	
CHEMICAL NAME AND SYNONYMS N/A	TRADE NAME AND SYNONYMS Swarcotherm™ Thermoplastic Alkyd Formulation
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 -Alkyd Oil			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method Used) 475° F	FLAMMABLE LIMITS	Lol N/A	Uol N/A
EXTINGUISHING MEDIA WATER, CO2, Foam, Dry Chemical, Carbon Dioxide			
SPECIAL FIRE FIGHTING PROCEDURES Avoid direct contact with water to avoid splattering of molten paint.			
UNUSUAL FIRE AND EXPLOSION HAZARDS N/A			



MATERIAL SAFETY DATA SHEET

SWARCOTHERM™ ALKYD THERMOPLASTIC FOR ROAD/PAVEMENT MARKING

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	N/A
EFFECTS OF OVEREXPOSURE	Excessive inhalation of dust from powdered material may result in respiratory tract irritation.
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. Place furacin soluble dressing on plastic and surrounding area.

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	
Granular material may be scooped up or swept.	
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)			
An approved NIOSH respirator.			
VENTILATION	LOCAL EXHAUST	YES	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.	