

2397

(RED RIBBON-1W; LQ)

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

Form Approved
OMB No. 44-R1387

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 S.T. SANGYO CO., LTD.	EMERGENCY TELEPHONE NO. 0489-88-6711
ADDRESS (Number, Street, City, State, and ZIP Code) 3-11, 2CHOME, KYUTSU-DANCHI, KOSHIGAYA-SHI, SATTAMA-KEN JAPAN	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS 4R-4
CHEMICAL FAMILY	FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
:PIGMENT RED		:POLYETHYLEN RESIN			
:SURFACE ACTIVE AGENT					
:FATTY ESTER					
:MINERAL OIL					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	180	SPECIFIC GRAVITY (H ₂ O=1)	0.98
VAPOR PRESSURE (mm Hg.)	0.01	PERCENT. VOLATILE BY VOLUME (%)	0.1/25°C
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER	0.5		
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	210°C	FLAMMABLE LIMITS	Lel	Uel
			0.1	2.0
EXTINGUISHING MEDIA	DRY CHEMICAL, CO ₂			
SPECIAL FIRE FIGHTING PROCEDURES	DIRECT SPRAYING OF CHEMICAL OR CO ₂ TO FIRE.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	
EFFECTS OF OVEREXPOSURE	
EMERGENCY AND FIRST AID PROCEDURES	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	AVOID EXTENDED STORAGE AT OVER 158F

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
WASTE DISPOSAL METHOD	
NO SPECIAL ATTENTION REQUIRED, BUT NOT TO BE DISSOLVED IN WATER.	

SECTION VIII - SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) N.A.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General) NOT REQUIRED	OTHER
PROTECTIVE GLOVES RUBBERGLOVES TO PREVENT HANGS FROM SOILING	EYE PROTECTION	NOT REQUIRED
OTHER PROTECTIVE EQUIPMENT NOT REQUIRED		

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
OTHER PRECAUTIONS	