

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 THERMACOTE WELCO		EMERGENCY TELEPHONE NO. 704-739-6421
ADDRESS HWY 161, YORK RD. KINGS MOUNTAIN, N.C. 28086		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS SILV-R-FOS 0
CHEMICAL FAMILY	FORMULA	

IMPORTANT! This section covers the materials from which this product is manufactured. The fumes and gases produced during welding with normal use of this product are covered in Section V.

Material (CAS No.)	Weight %	Exposure Limit 1984/85 TLV-TWA (OSHA PEL)
Cu. CAS# 7440-50-8 (2,4) Balance		.1 Mg/m ³ as Cu.
P. " # 7723-14-0 (2,4,5) 7.25%		.1 Mg/M ³ as P.

*The term "hazardous" should be interpreted as a term required and defined in the OSHA Hazard Communications Standard (29CFR 1910.1200) and does not necessarily imply the existence of any hazard.

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Liquidus	1460°F.	SPECIFIC GRAVITY (H ₂ O=1)	7.70
	Solidus	1310°F.	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR PRESSURE (mm Hg.)		N/A	EVAPORATION RATE (_____ = 1)	N/A
VAPOR DENSITY (AIR=1)		N/A		
SOLUBILITY IN WATER		Negligible		
APPEARANCE AND ODOR				

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Let	Uet
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

Phosphorus Oxide vapors

EFFECTS OF OVEREXPOSURE

Irritating to nose, throat and lungs, skin and mucous membranes.

EMERGENCY AND FIRST AID PROCEDURES

Flush irritated parts with water and get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) N.A.			
HAZARDOUS DECOMPOSITION PRODUCTS Phosphorus Oxide vapors while brazing.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID Avoid overheating while brazing to minimize Phosphorus Oxide vaporization.
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES N.A.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WASTE DISPOSAL METHOD N.A.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

In confined space use air supplied respirator.

VENTILATION	LOCAL EXHAUST	X	SPECIAL N.A.
	MECHANICAL (General)	X	
PROTECTIVE GLOVES		X	EYE PROTECTION X
OTHER PROTECTIVE EQUIPMENT Provide good ventilation and avoid overheating while brazing.			

SECTION IX - SPECIAL PRECAUTIONS N.A.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

OTHER PRECAUTIONS