

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 <b>Chemalloy Company, Inc.</b>		EMERGENCY TELEPHONE NO. <b>215-527-3700</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>P. O. Box 350, Bryn Mawr, Pa. 19010</b>		
CHEMICAL NAME AND SYNONYMS <b>Manganese Carbonate</b>		TRADE NAME AND SYNONYMS <b>Manganese Carbonate</b>
CHEMICAL FAMILY <b>Mineral</b>	FORMULA <b>Mn CO<sub>3</sub></b>	

## 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			Mn CO <sub>3</sub>	92	
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H <sub>2</sub> O=1)	3.1
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____ =1)	N.A.
SOLUBILITY IN WATER	Slight		
APPEARANCE AND ODOR	Light tan crystal. No odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	None	FLAMMABLE LIMITS	N.A.	LeI	UeI
EXTINGUISHING MEDIA	N.A.				
SPECIAL FIRE FIGHTING PROCEDURES	N.A.				
UNUSUAL FIRE AND EXPLOSION HAZARDS	None				

<b>SECTION V - HEALTH HAZARD DATA</b>
<b>THRESHOLD LIMIT VALUE</b>
<b>EFFECTS OF OVEREXPOSURE</b> Dust may cause irritation to respiratory system.
<b>EMERGENCY AND FIRST AID PROCEDURES</b> Eliminate exposure and see physician.

<b>SECTION VI - REACTIVITY DATA</b>			
<b>STABILITY</b>	UNSTABLE		<b>CONDITIONS TO AVOID</b>
	STABLE	<input checked="" type="checkbox"/>	
<b>INCOMPATIBILITY (Materials to avoid)</b> Acids			
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>			
<b>HAZARDOUS POLYMERIZATION</b>	MAY OCCUR		<b>CONDITIONS TO AVOID</b>
	WILL NOT OCCUR	<input checked="" type="checkbox"/>	

<b>SECTION VII - SPILL OR LEAK PROCEDURES</b>	
<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b> Normal clean up.	
<b>WASTE DISPOSAL METHOD</b> Place material in container and send to landfill.	

<b>SECTION VIII - SPECIAL PROTECTION INFORMATION</b>		
<b>RESPIRATORY PROTECTION (Specify type)</b> Dust filter respirator		
<b>VENTILATION</b>	LOCAL EXHAUST Satisfactory	SPECIAL
	MECHANICAL (General)	OTHER
<b>PROTECTIVE GLOVES</b> Suggested		<b>EYE PROTECTION</b> Safety glasses.
<b>OTHER PROTECTIVE EQUIPMENT</b>		

<b>SECTION IX - SPECIAL PRECAUTIONS</b>	
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING</b> Use normal storage procedure.	
<b>OTHER PRECAUTIONS</b>	