

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

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Cat.No. T400-0926

Sheet 1 of 2

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

SECTION I

MANUFACTURER'S NAME A. B. Chance Co.		EMERGENCY TELEPHONE NO. 314-682-8435
ADDRESS (Number, Street, City, State, and ZIP Code) 210 N. Allen St. Centralia, MO 65240		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS Component Orange Finishing Kit A	
CHEMICAL FAMILY Styrene Polyester	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS Lead Chromate	23	0.1 3 (mg/m ³)	BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS	37	*	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
*					100
				Xylene	2 (PPM)
				Cellosolve Acetate	17 (PPM)
				Methylisobutyl Ketone	18 (PPM)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) Range	237-329°F	SPECIFIC GRAVITY (H ₂ O=1)	1.30
VAPOR PRESSURE (mm Hg.)		PERCENT, VOLATILE BY VOLUME (%)	55.6
VAPOR DENSITY (AIR=1)	>1	EVAPORATION RATE (Ether = 1)	<1
SOLUBILITY IN WATER	Partial		
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) 60°F TCC	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA CO ₂ , Dry Chemical or Foam			
SPECIAL FIRE FIGHTING PROCEDURES Water may be ineffective on fire but water spray may be used to cool closed containers exposed to extreme heat or fire to prevent pressure buildup and possible auto-ignition or explosion.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Keep away from heat, sparks and open flame. Closed containers may explode when exposed to extreme heat or fire			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	See Section II
EFFECTS OF OVEREXPOSURE - Irritation of eyes, skin and respiratory tract. Possible dermatitis on repeated & prolonged skin contact, possible headache, dizziness and eventual unconsciousness or coma.	
EMERGENCY AND FIRST AID PROCEDURES	
Fumes - Move person to well ventilated area, restore breathing, get medical attention.	
Skin - Wipe with clean cloth, wash thoroughly with soap and water.	
Eyes - Flush thoroughly with water, get medical attention.	

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Keep away from sun and heat
INCOMPATIBILITY (Materials to avoid)			
Avoid contamination with foreign materials			
HAZARDOUS DECOMPOSITION PRODUCTS			
CO and possible acrid fumes on ignition			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	Material may become viscous on aging & become unusable.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Remove all sources of ignition, ventilate area, mop spills with inert absorbent, burn sweepings in a safe area.	
WASTE DISPOSAL METHOD	
Dispose in accordance with local regulations. Do not incinerate closed containers.	

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		
Paint spray mask, mechanical filter respirator.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES		EYE PROTECTION
Solvent resistant gloves		Splash Proof goggles
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Store below 80°F, keep containers closed and away from heat and open flame.	
OTHER PRECAUTIONS	
Avoid prolonged contact with skin and breathing vapors or spray mist, do not take internally.	

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ADDRESS (Number, Street, City, State, and ZIP Code) <p align="center">210 N. Allen St. - Centralia, MO 65240</p>		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS Component <p align="center">Orange Finishing Kit - B</p>
CHEMICAL FAMILY <p align="center">Polyisocyanate</p>	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)
Polyisocyanate				56	
Xylene				34	100 (PPM)
Cellosolve Acetate				9	100 (PPM)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Range	266-320	SPECIFIC GRAVITY (H ₂ O=1)	1.008
VAPOR PRESSURE (mm Hg.)			PERCENT VOLATILE BY VOLUME (%)	50.0
VAPOR DENSITY (AIR=1)		>1	EVAPORATION RATE (<u>Ether</u> =1)	<1
SOLUBILITY IN WATER		SLT		
APPEARANCE AND ODOR				

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	80°F	TCC	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	CO ₂ , Dry Chemical or Foam				
SPECIAL FIRE FIGHTING PROCEDURES	See MSDS for Component A				
UNUSUAL FIRE AND EXPLOSION HAZARDS					
" " "					

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

See Section II

EFFECTS OF OVEREXPOSURE

See MSDS for Component A

EMERGENCY AND FIRST AID PROCEDURES

" " " "

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

INCOMPATIBILITY (Materials to avoid)

Avoid contamination with foreign materials.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS
POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID

X

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

See MSDS for Component A

WASTE DISPOSAL METHOD

" " " " "

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

*

VENTILATION

LOCAL EXHAUST

SPECIAL

MECHANICAL (General)

OTHER

*

PROTECTIVE GLOVES

*

EYE PROTECTION

*

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

*

OTHER PRECAUTIONS

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