

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 (29 CFR 1915, 1916,1917)

SECTION I

MANUFACTURER'S NAME: *JOHN O. BUTLER CO.*

EMERGENCY TELEPHONE NUMBER: *312-777-4000*

ADDRESS: *4635 W. FOSTER AVE., CHICAGO, IL 60630*

CHEMICAL NAME & SYNONYMS: *WAXES*

TRADE NAME & SYNONYMS: *ORTHODONTIC WAX*

CHEMICAL FAMILY: *PETROLEUM DERIVED HYDROCARBON*

FORMULA: *MIXTURE*

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIONS AND SOLVENTS: <i>N/A</i>	%	TLV Units	ALLOYS AND METALLIC COATING: <i>N/A</i>	%	TLV Units
PIGMENTS			BASE METAL		
CATALYST			ALLOYDS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS:					

HAZARDOUS MIXTURES OR OTHER LIQUIDS, SOLIDS OR GASES: *N/A*

SECTION III - PHYSICAL DATA

BOILING POINT(^o F) <i>650^oF</i>	SPECIFIC GRAVITY(H ₂ O-1) <i>0.8 - 0.9</i>
VAPOR PRESSURE(mmHg) <i>N/A</i>	PERCENT,VOLATILE BY VOLUME(%) <i>NEGLIGIBLE</i>
VAPOR DENSITY(AIR-1) <i>N/A</i>	EVAPORATION RATE(____-1) <i>N/A</i>
SOLUBILITY IN WATER <i>NEGLIGIBLE</i>	APPEARANCE AND ODOR: <i>WHITE TO LIGHT GREY WAXY SOLID WITH TYPICAL PETROLEUM WAX ODOR. MAY BE FLAVORED WITH CINNAMON OR MINT.</i>

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): <i>405^oF</i>	FLAMMABLE LIMITED: <i>N/A</i>	LEL	UEL
EXTINGUISHING MEDIA: <i>WATER</i>			
SPECIAL FIRE FIGHTING PROCEDURES: <i>N/A</i>	UNUSUAL FIRE AND EXPLOSION HAZARDS: <i>N/A</i>		

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: <i>N/A</i>
EFFECTS OF OVEREXPOSURE: <i>N/A</i>
EMERGENCY & FIRST AID PROCEDURES: <i>EYES: IF PRODUCT IS MOLTEN, FLUSH WITH WATER AND CONSULT PHYSICIAN. INGESTION: IF THERE IS IRRITATION, SEEK MEDICAL ATTENTION. SKIN: IF MOLTEN, LEAVE MATERIAL ON SKIN AND FLUSH WITH COLD WATER, SEEK PHYSICIAN. IRRITATION: SEEK PHYSICIAN.</i>

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE ___ STABLE <input checked="" type="checkbox"/>	CONDITIONS TO AVOID: <i>SOURCES OF HEAT</i>	INCOMPATIBILITY (MATERIALS TO AVOID): <i>STRONG OXIDIZING AGENTS</i>
	HAZARDOUS DECOMPOSITION PRODUCTS: <i>MAJOR: OXIDES OF CARBON</i>	MINOR: <i>OXIDES OR SULFUR & NITROGEN</i>
HAZARDOUS POLYMERIZATION: <i>MAY OCCUR ___</i>	WILL NOT OCCUR <input checked="" type="checkbox"/>	CONDITIONS TO AVOID: <i>N/A</i>

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: <i>SWEEP UP</i>
WASTE DISPOSAL METHOD: <i>DISPOSAL PRODUCT IN ACCORDANCE WITH FEDERAL, STATE OR LOCAL REGULATIONS.</i>

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): <i>N/A</i>	PROTECTIVE GLOVES: <i>NOT NECESSARY</i>	EYE PROTECTION: <i>WEAR GOGGLES IF MOLTEN</i>
VENTILATION: <i>LOCAL EXHAUST</i>	SPECIAL:	MECHANICAL (GENERAL):
		OTHER:

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: <i>STORE IN COOL DRY LOCATION</i>	OTHER PRECAUTIONS: <i>N/A</i>
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