

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 Douglas and Sturgess, Inc.		EMERGENCY TELEPHONE NO. 415-421-4456
ADDRESS (Number, Street, City, State, and ZIP Code) 730 Bryant St. San Francisco, CA 94107		
CHEMICAL NAME AND SYNONYMS Agar-Agar		TRADE NAME AND SYNONYMS Plastico Moulage
CHEMICAL FAMILY Colloid	FORMULA Moulage	

## 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)
NO HAZARDOUS INGREDIENTS					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	2150F	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	Greater than 1
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)	Greater than 1	EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER	Dilutable		
APPEARANCE AND ODOR	Off-White chunks, no discernable odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Non-Flammable	FLAMMABLE LIMITS	Let	Uel
EXTINGUISHING MEDIA	N.A.			
SPECIAL FIRE FIGHTING PROCEDURES	NA.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	N.A.			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE N.A.

EFFECTS OF OVEREXPOSURE N.A.

EMERGENCY AND FIRST AID PROCEDURES N.A.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Do not use iron or steel utensils			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED If melted liquid is spilled, allow to cool and peel up. Solid may be disposed of as normal refuse.

WASTE DISPOSAL METHOD In land fill or in accordance with federal, state or local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) None Required		
VENTILATION	LOCAL EXHAUST None	SPECIAL
	MECHANICAL (General) None	OTHER
PROTECTIVE GLOVES None	EYE PROTECTION None	
OTHER PROTECTIVE EQUIPMENT None		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep Material in airtight container when not in use.

OTHER PRECAUTIONS

Form OSHA-20  
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