

U.S. DEPARTMENT OF LABOR

Form No. LS3-005-4
May 1969

WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

PLAINTIFF'S EXHIBIT

BOND-132

SECTION I

MANUFACTURER'S NAME DARLING & COMPANY		EMERGENCY TELEPHONE NO. 312-927-3000
ADDRESS (Number, Street, City, State, and ZIP Code) 4650 SOUTH RACINE AVENUE, CHICAGO, ILLINOIS 60609		
CHEMICAL NAME AND SYNONYMS ANIMAL GLUE, GREEN BONE GLUE		TRADE NAME AND SYNONYMS
CHEMICAL FAMILY	FORMULA LARGE POLYPEPTIDE	

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL	NONE	
CATALYST			ALLOYS	NONE	
VEHICLE			METALLIC COATINGS	NONE	
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX	NONE	
ADDITIVES	PENTACHLOROPHENATE 0.2		OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	NONE	SPECIFIC GRAVITY (H ₂ O=1)	DRY
VAPOR PRESSURE (mm Hg.)	NONE	PERCENT VOLATILE BY VOLUME (%)	1% MAX.
VAPOR DENSITY (AIR=1)	NONE	EVAPORATION RATE (=1)	
SOLUBILITY IN WATER	1 to 1 100% @ 70° F		
APPEARANCE AND ODOR	Light to deep yellow 95 to 100% mesh		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) NONE	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA WATER FOG			
SPECIAL FIRE FIGHTING PROCEDURES NONE			
UNUSUAL FIRE AND EXPLOSION HAZARDS MATERIAL WILL CHAR BUT NOT BURN VERY WELL			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
NONE KNOWN

EFFECTS OF OVEREXPOSURE
NONE

EMERGENCY AND FIRST AID PROCEDURES

NONE REQUIRED EXCEPT FOR THE 0.2% BIOCIDES CONTENT

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	NONE

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

OBNOXIOUS ODORS IF SOLUTIONS ARE ALLOWED TO SPOIL

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

NO SPECIAL CONDITION REQUIRED EXCEPT THOSE REQUIRED FOR GOOD

HOUSEKEEPING

WASTE DISPOSAL METHOD

WASH OUT WITH WATER

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

NO KNOWN PROBLEMS OR HAZARDS

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

STORE ON A COOL DRY PLACE, ONLY TO PROTECT FROM WATER DAMAGE

OTHER PRECAUTIONS

NONE