

M+ 164

MATERIAL SAFETY DATA SHEET NPCA 1-84
FOR COATINGS, RESINS, AND RELATED MATERIALS
REPLACES NPCA 1-82

MANUFACTURER'S NAME **WILLIAM ZINSSER & CO., INC.**
39 Belmont Drive
Somerset, N.J. 08873

EMERGENCY TELEPHONE NO.
(201) 469-8100

DATE OF PREPARATION 1/8/87

INFORMATION TELEPHONE NO.
Same as above

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER _____ PRODUCT NAME **3# CUT WHITE OR ORANGE**
BULLS EYE SHELLAC SOLUTION
PRODUCT CLASS **Shellac Solution**

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS No.	PERCENT	OCCUPATIONAL EXPOSURE LIMITS		VAPOR PRESSURE mm Hg @ 68°F
			TLV	PEL	
Ethyl Alcohol	64-17-5	50-60	1000 ppm	1000 ppm	53
Isopropyl Alcohol	67-63-0	< 10	400 ppm	400 ppm	33
Methyl Alcohol	67-56-1	< 4	200 ppm	200 ppm	100

SECTION III - PHYSICAL DATA

BOILING RANGE 173°F (Ethyl Alcohol) VAPOR DENSITY X HEAVIER LIGHTER THAN AIR
EVAPORATION RATE FASTER X SLOWER THAN ETHER % VOLATILE VOLUME 77
WT/GAL 7.52 lbs. Beige or orange liquid with alcohol odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION OSHA "Flammable" FLASH POINT 54°F LEL 3.3%
 DOT "

EXTINGUISHING MEDIA:

FOAM X "ALCOHOL" X CO2 X DRY CHEMICAL X WATER FOG X OTHER
FOAM Sand

UNUSUAL FIRE AND EXPLOSION HAZARDS None

SPECIAL FIREFIGHTING PROCEDURES None

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE High concentration of vapor may cause headache, drowsiness, nausea and dizziness as well as irritation of the eyes and respiratory tract. Prolonged contact with skin may cause irritation. Ingestion can cause nausea and vomiting.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known

PRIMARY ROUTE(S) OF ENTRY: DERMAL XX INHALATION XX INGESTION

EMERGENCY AND FIRST AID PROCEDURES Eyes: Irrigate with copious amount of clean water for 15 minutes. Obtain medical attention.

Skin: Wash skin with cool water.

Inhalation: Move subject to fresh air; maintain breathing; obtain medical attention immediately.

Ingestion: Call physician or Poison Control Center immediately.

SECTION VI - REACTIVITY DATA

STABILITY UNSTABLE X STABLE

HAZARDOUS POLYMERIZATION MAY OCCUR X WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide on incomplete combustion.

CONDITIONS TO AVOID Heat, sparks, open flame.

INCOMPATIBILITY (MATERIALS TO AVOID) Oxidizing agents.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Provide adequate ventilation or use respiratory protection in confined area. Clean area with absorbent material, sand or rags.

WASTE DISPOSAL METHOD Dried shellac can be disposed of in trash.
Dispose of solution in accordance with local, state or federal regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION None required in well ventilated areas. In confined areas where high vapor concentrations are expected, use NIOSH/MSHA approved respiratory protection in accordance with 29CFR 1910.134.

VENTILATION Use explosion-proof exhaust system suitable to maintain concentration of vapors in workplace atmosphere below TLV/PEL's (Sec. II). Exhaust vapors should be vented to non-explosive area.

PROTECTIVE GLOVES For prolonged contact.

EYE PROTECTION Safety Glasses .

OTHER PROTECTIVE EQUIPMENT Clothing adequate to protect skin.

HYGIENIC PRACTICES: Wash hands after using.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store in a cool place away from high heat, open flames, sparks and oxidizing agents. Use only with adequate ventilation. Avoid prolonged breathing of vapor or spray mist and prolonged contact with skin. Do not take internally.

OTHER PRECAUTIONS Keep out of direct sunlight. Keep container closed.
Drum should be grounded and bonded when pouring.

HMIS Rating:	Health	1	PPE is dependent on the condition of use. Use PPE sufficient to prevent prolonged skin and eye contact and the inhalation of vapors in poorly ventilated or confined areas where high concentrations of vapors are likely to occur.
	Flammability	3	
	Reactivity	0	

NONE OF THE CHEMICAL SUBSTANCES IN THIS PRODUCT IS LISTED AS A POTENTIAL CARCINOGEN IN EITHER THE NTP THIRD ANNUAL REPORT ON CARCINOGENS OR THE IARC MONOGRAPHS OR BY OSHA.