

MATERIAL SAFETY DATA SHEET

#256407
#256418
#256429
#256440
#256451

I PRODUCT IDENTIFICATION

MANUFACTURER'S NAME	WILLIAM ZINSSER & CO., INC.	REGULAR TELEPHONE NO.	(201) 469-8100
ADDRESS	39 Belmont Drive, Somerset, New Jersey 08873		
TRADE NAME	3# Cut White or Orange Bulls Eye Shellac Solution		
SYNONYMS	None		
SHIPPING NAME ¹	DOT:	Shellac - Flammable Liquid	
	IATA:	Liquid Shellac - Flammable	

II HAZARDOUS INGREDIENTS²

MATERIAL OR COMPONENT	CAS NO.	%	HAZARD DATA
White or Orange Shellac	9000-59-3	29%	None
Denatured Ethyl Alcohol	64-17-5	71%	Same as Ethyl Alcohol

III PHYSICAL DATA

BOILING POINT, 760 MM HG	173°F (78.3°C)	MELTING POINT	N.A.
SPECIFIC GRAVITY (H ₂ O = 1)	0.9030	VAPOR PRESSURE	40 mmHg
VAPOR DENSITY (AIR = 1)	1.59	SOLUBILITY IN H ₂ O % BY WT	None
% VOLATILES BY VOL.	76.9%	EVAPORATION RATE (BUTYL ACETATE = 1)	2.3
APPEARANCE AND ODOR	white or orange color alcoholic odor	Ph (AS IS) Ph (1% SOLN.)	N.A.

IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD)	54°F Tag closed cup	AUTOIGNITION TEMPERATURE	793°F
FLAMMABLE LIMITS IN AIR, % BY VOL.	LOWER	3,3%	UPPER 19%
EXTINGUISHING MEDIA	Alcohol foam, carbon dioxide, dry chemical, sand and water		
SPECIAL FIRE FIGHTING PROCEDURES	None		
UNUSUAL FIRE AND EXPLOSION HAZARD	None		

V HEALTH HAZARD INFORMATION

HEALTH HAZARD DATA	HAZARD CLASSIFICATION
ROUTES OF EXPOSURE	
INHALATION	Toxic Hazard Rating Code (Section 5) slight
SKIN CONTACT	slight
SKIN ABSORPTION	slight
EYE CONTACT	slight
INGESTION	moderate

BASIS FOR CLASSIFICATION	SOURCE
Ethyl Alcohol TLV 1000 ppm	Dangerous Properties Industrial Materials 4th Edition
Ethyl Alcohol	Toxic Hazard Rating Code (Section 9)
Ethyl Alcohol	"
Ethyl Alcohol	"
Ethyl Alcohol Oral LD ₅₀ (rats)=13.7g/kg	

EFFECTS OF OVEREXPOSURE
ACUTE OVEREXPOSURE Irritation of the eyes and mucous membranes of the upper respiratory tract.

CHRONIC OVEREXPOSURE Irritation of the eyes and mucous membranes of the upper respiratory tract.

EMERGENCY AND FIRST AID PROCEDURES

- EYES: Irrigate eyes with water for 15 minutes
- SKIN: Wash skin with water for 15 minutes
- INHALATION: Remove from area, administer oxygen if breathing is irregular.
- INGESTION: Treat as intoxication (ethyl alcohol).

NOTES TO PHYSICIAN

VI REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY

Stable (avoid high heat, sparks and open flames).

INCOMPATIBILITY

Water, acid, and oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS

None

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION

Will not polymerize but product is flammable.

VII DISPOSAL, SPILL OR LEAK PROCEDURES

AQUATIC TOXICITY (E.G. 96 HR. TLM):

No information about alcohol.

WASTE DISPOSAL METHOD

Air dry with ventilation, shellac will harden and can be scraped up. Small spills can be wiped up with rags.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Keep away from heat or ignition source. Provide adequate ventilation and clean area with absorbent material, sand or rags.

NEUTRALIZING CHEMICALS

None needed.

VIII SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS

Open windows or local exhaust with explosion-proof system.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY (SPECIFY IN DETAIL)

Not needed

EYE

Safety glasses

GLOVES

Not needed

OTHER CLOTHING AND EQUIPMENT

Not needed

IX SPECIAL PRECAUTIONS

PRECAUTIONARY
STATEMENTS

• Store in cool place away from high heat, open flames,
sparks or oxidizing agents.

OTHER HANDLING AND
STORAGE REQUIREMENTS

Keep out of direct sunlight.

ADDITIONAL REGULATORY CONCERNS

FEDERAL:

FDA GRAS List

USDA None

CPSC Recorded under the NIOSH Survey conducted by Auerbach Assoc.,
Phila., PA, for NOHS: OSHA 1970 Section 8, 20(a) and 20(b).

TSCA IS THIS PRODUCT, OR ALL ITS INGREDIENTS, BEING CERTIFIED FOR INCLUSION ON THE TOXIC SUBSTANCES CONTROL ACT
INVENTORY OF CHEMICAL SUBSTANCES? Yes

OTHER D.O.T. classed as Shellac - Flammable Liquid

STATE: Product registered in Indiana

PREPARED BY James W. Martin

TITLE: Technical Director

COMPANY: WILLIAM ZINSSER & CO., INC.

ADDRESS: 39 Belmont Drive, Somerset, N.J. 08873