

**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME:** BULLS EYE CLEAR SHELLAC 3#  
**PRODUCT CODE:** WZ0300  
**PRODUCT USE :** SHELLAC

**HMIS CODES:** H F R P  
1 3 0 G

=====**SECTION I - MANUFACTURER IDENTIFICATION**=====

**MANUFACTURER'S NAME:** WILLIAM ZINSSER & COMPANY, INC.  
**ADDRESS:** 39 BELMONT DRIVE, SOMERSET, NJ 08875  
**EMERGENCY PHONE:** CHMTREC 800-424-9300 **INFORMATION PHONE:** (908) 469-4367  
**DATE REVISED :** 01-09-92 **NAME OF PREPARER :** L. Michalewicz  
**REASON REVISED :** Various updates

=====**SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION**=====

HAZARDOUS COMPONENTS/WEIGHT PERCENT	OCCUPATIONAL EXPOSURE LIMITS			
	OSHA PEL	ACGIH TLV	STEL	LD50 SPECIES & ROUTE LC50 SPECIES & ROUTE
ETHYL ALCOHOL	1000 ppm	1000 ppm		
[CAS 64-17-5 ] 55				
*Isopropyl alcohol	400ppm	500ppm	400ppm	
[CAS 67-63-0 ] 9				
*METHYL ALCOHOL	200 ppm	200 ppm	200 ppm	
[CAS 67-56-1 ] 3				
*METHYL ISOBUTYL KETONE	100 ppm	50 ppm	75 ppm	
[CAS 108-10-1 ] 1				

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.  
None of the ingredients in this product are known to be carcinogens.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 173 F SPECIFIC GRAVITY (H2O=1): 0.8
VAPOR DENSITY: LIGHTER THAN AIR
EVAPORATION RATE: SLOWER THAN n-BUTYL ACETATE
COATING V.O.C. : 5.21 LBS/IMP GAL 4.34 LBS/US GAL 520 GMS/LTR
MATERIAL V.O.C.: 5.21 LBS/IMP GAL 4.34 LBS/US GAL 520 GMS/LTR
SOLUBILITY IN WATER: Not soluble
APPEARANCE AND ODOR: Amber liquid - alcohol odor
FREEZING POINT: NA pH: 4.5
COEFFICIENT OF WATER/OIL DIST: NA ODOR THRESHOLD: NA

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 60 F METHOD USED: Setaflash
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 3.3% UPPER: 19.0%
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

SPECIAL FIREFIGHTING PROCEDURES
None

UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode with extreme heat.

FLAMMABILITY - T.D.G.R. CLASS
Flammable DOT - UN1263

SENSITIVITY TO IMPACT
Impact may puncture container or loosen lid.

SENSITIVITY TO STATIC DISCHARGE
Drum must be grounded and bonded when pouring.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID
Heat, sparks , open flame.

INCOMPATIBILITY (MATERIALS TO AVOID)
Oxidizing agents. Acids.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
Carbon monoxide on incomplete combustion.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## ===== SECTION VI - HEALTH HAZARD DATA =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

High concentrations of vapor may cause headache, drowsiness, dizziness, nausea and respiratory irritation.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Liquid or vapor may cause irritation.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

May cause defatting of skin on prolonged contact.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Can cause depression of central nervous system, nausea, vomiting and diarrhea.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

Prolonged and repeated exposure will have the same effects as above as will any source of alcohol. Intentional misuse by deliberately concentrating or inhaling the contents may be harmful.

**CARCINOGENICITY:** NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

None known.

**TERATOGENICITY**

Unknown

**MUTAGENICITY**

Unknown

**TOXICOLOGICALLY SYNERGISTIC PRODUCTS**

None known.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Preexisting skin, eye and respiratory conditions may be aggravated by exposure to this product.

**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: Move person to fresh air immediately. If person has stopped breathing give artificial respiration.  
Eye contact: Flush immediately with plenty of cool water for at least 15 minutes.  
Skin contact: Remove any contaminated clothing, wash before reuse. Wash with cool water for at least 15 minutes.  
Ingestion: Give person water or milk to dilute. Call a physician or poison control center.  
If conditions of exposure persist or victim is unconscious CALL A PHYSICIAN or SEEK MEDICAL ATTENTION IMMEDIATELY

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SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Stop leakage if no risk is evident. Absorb small spills with an appropriate absorbent material. Dike large spills. Wear appropriate protective equipment and respirators. Report large spill as applicable laws require.

WASTE DISPOSAL METHOD

Refer to applicable laws governing waste disposal and/or reclamation of recovered material. Place all recovered material into properly marked containers for disposal and/or transportation. Dried Shellac is non-hazardous.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Follow NFPA 30 Flammable and Combustible Liquids Code for storage and handling. Consult applicable laws. Store in a cool place. Keep away from open flame, heat and sparks. Isolate from oxidizers. Avoid breathing vapor or spray mist. Use only with adequate ventilation. Do not take internally.

OTHER PRECAUTIONS

Use only grounded and explosion proof equipment. Empty containers with liquid residue or vapor is flammable.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION

Use an appropriate NIOSH/MSHA approved respirator when vapor/mist levels are above allowable exposure limits. Make sure respiratory equipment is properly fitted for use. Follow manufacturers recommended use and handling procedures.

VENTILATION

Use only explosion proof exhaust equipment. Exhaust only into non-explosive areas. Maintain vapor concentrations below allowable exposure limits.

PROTECTIVE GLOVES

Use appropriate gloves for prolonged exposure.

EYE PROTECTION

Wear safety glasses with side shields or goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Protect skin with appropriate clothing.

WORK/HYGIENIC PRACTICES

Wash hands and exposed areas after use.

SECTION IX - DISCLAIMER

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