**MATERIAL SAFETY DATA SHEET**

PRODUCT NAME: BULLS_EYE_SPRAY_SHELLAC
PRODUCT CODE: WZ0408
PRODUCT USE: Spray coating.

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**SECTION I - MANUFACTURER IDENTIFICATION**

MANUFACTURER'S NAME: WILLIAM ZINSSER & CO., INC.
ADDRESS: 39 BELMONT DRIVE, SOMERSET, NJ 08875
EMERGENCY PHONE: CHMTREC 800-424-9300 INFORMATION PHONE: (908) 469-4367
DATE REVISED: 05-03-94
NAME OF PREPARER: L. Michalewicz
REASON REVISED: Flash point, various updates.

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

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS/WEIGHT PERCENT</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>STEL</th>
<th>LD50 SPECIES &amp; ROUTE</th>
<th>LC50 SPECIES &amp; ROUTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHYL ALCOHOL</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>[CAS 64-17-5]</td>
<td></td>
<td></td>
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<tr>
<td>Isopropyl alcohol</td>
<td>400 ppm</td>
<td>500 ppm</td>
<td>400 ppm</td>
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</tr>
<tr>
<td>[CAS 67-63-0]</td>
<td>5</td>
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<tr>
<td>Methyl Alcohol</td>
<td>200 ppm</td>
<td>200 ppm</td>
<td>200 ppm</td>
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</tr>
<tr>
<td>[CAS 67-56-1]</td>
<td>1</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>*METHYL ISOBUTYL KETONE</td>
<td>100 ppm</td>
<td>50 ppm</td>
<td>75 ppm</td>
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<td></td>
</tr>
<tr>
<td>[CAS 108-10-1]</td>
<td>&lt; 0.5%</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>*ACETONE</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>[CAS 67-64-1]</td>
<td>28</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>*Propanol</td>
<td>50 ppm skin</td>
<td>50 ppm skin</td>
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</tr>
<tr>
<td>[CAS 95-47-6]</td>
<td>&lt; 5.0%</td>
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<tr>
<td>BUTANE</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>[CAS 106-97-8]</td>
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<tr>
<td>PROPANE</td>
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<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>[CAS 74-98-6]</td>
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</tr>
</tbody>
</table>

* 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.

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: NA
VAPOR DENSITY: HEAVIER THAN AIR
EVAPORATION RATE: FASTER THAN n-BUTYL ACETATE
COATING V.O.C.: 6.80 LBS/IMP GAL 5.66 LBS/US GAL 679 GMS/LTR
MATERIAL V.O.C.: 6.77 LBS/IMP GAL 5.64 LBS/US GAL 676 GMS/LTR
SOLUBILITY IN WATER: NA
APPEARANCE AND ODOR: NA
FREEZING POINT: NA
PH: NA
COEFFICIENT OF WATER/OIL DIST: NA
ODOR THRESHOLD: NA

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: < 0 C
FLAMMABLE LIMITS IN AIR BY VOLUME-
LOWER: 1.4%  UPPER: 19.0%
METHOD USED: NA
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG, OTHER

SPECIAL FIREFIGHTING PROCEDURES
Contents under pressure. High heat can cause bursting.

UNUSUAL FIRE AND EXPLOSION HAZARDS
CONTENTS UNDER PRESSURE.
DO NOT STORE OVER 120F. DO NOT PUNCTURE. DO NOT INCINERATE.
DANGER EXTREMELY FLAMMABLE.

FLAMMABILITY - T.D.G.R. CLASS
Extremely flammable.
DOT = ORM-D consumer commodity

SENSITIVITY TO IMPACT
Impact may puncture container contents under pressure.

SENSITIVITY TO STATIC DISCHARGE
NA

SECTION V - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID
DO NOT STORE OVER 120F. DO NOT PUNCTURE CONTAINER. DANGER, EXTREMELY FLAMMABLE. DO NOT EXPOSE TO SUN OR HEAT OVER 120F.

INCOMPATIBILITY (MATERIALS TO AVOID)
Open flame, pilot lights, cigarettes, etc.

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. HARMFUL OR FATAL IF SWALLOWED.

HEALTH HAZARDS (ACUTE AND CHRONIC)
Intentional misuse by deliberately concentrating or inhaling the contents may be harmful or fatal.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO
None known.

TOXICITY
Unknown

MUTAGENICITY
Unknown

TOXICOLOGICALLY SYNERGISTIC PRODUCTS
None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
Pre-existing 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 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.
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. 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. DO NOT INCINERATE. DO NOT DISCARD CONTAINER IN GARBAGE COMPACTOR.

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. DO NOT STORE ABOVE 120F.

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

RESPIRATORY PROTECTION
Use an NIOSH/MSHA TC 23 approved respirator or equivalent when vapor/mist levels are above allowable exposure limits or if headache or dizziness is experienced. Make sure respirator is properly fitted for use following 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.

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