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

MANUFACTURER'S NAME: YENKIN MAJESTIC PAINT CORPORATION  
1920 LEONARD AVE.  
COLUMBUS, OH 43236-9004  

EMERGENCY TELEPHONE NUMBERS  
1-(614) 253-8511  
INFORMATION 1-(614) 253-8511  

DATE OF PREPARATION  
12/05/90  

ISSUE DATE:  
10/08/90  

SECTION I.---PRODUCT IDENTIFICATION

PRODUCT NUMBER: MS-160

PRODUCT NAME: MAJIC SPRAY CLEAR

PRODUCT CLASS: ACRYLIC, AIR DRY*AEROSOL ONLY*

DOT: ORM-D

SECTION II.---HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>C.A.S.#</th>
<th>WEIGHT %</th>
<th>OCCUPATIONAL EXPOSURE LIMIT</th>
<th>VAPOR PRESSURE</th>
<th>MMHG@20 C</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROPANE '070' '080'</td>
<td>00074-98-6</td>
<td>21.85</td>
<td>NE</td>
<td>1000 PPM</td>
<td>125 PSIA</td>
</tr>
<tr>
<td>N-BUTANE '070' '080'</td>
<td>00106-97-8</td>
<td>10.58</td>
<td>800 PPM</td>
<td>800 PPM</td>
<td>32.1 PSIA</td>
</tr>
<tr>
<td>ISOBUTANE '070' '080'</td>
<td>00075-97-8</td>
<td>10.56</td>
<td>800 PPM</td>
<td>NE</td>
<td>45.1 PSIA</td>
</tr>
<tr>
<td>TOLUENE '030'</td>
<td>00108-88-3</td>
<td>23.52</td>
<td>100PPM</td>
<td>100 PPM</td>
<td>22</td>
</tr>
<tr>
<td>ALIPHATIC HYDROCARBON (VM&amp;P) '100'</td>
<td>64742-89-8</td>
<td>5 - 10</td>
<td>300 PPM</td>
<td>300 PPM</td>
<td>150 37.7</td>
</tr>
<tr>
<td>XYLENE '030' '130'</td>
<td>01330-20-7</td>
<td>22.79</td>
<td>100 PPM</td>
<td>100 PPM</td>
<td>5.1</td>
</tr>
</tbody>
</table>

'030' THIS CHEMICAL IS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313, SARA TITLE III

/SEE NEXT PAGE/
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PRODUCT NUMBER: MS-160
PRODUCT NAME: MAJIC SPRAY CLEAR

SECTION II.---HAZARDOUS INGREDIENTS /CONT./

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>C.A.S.#</th>
<th>WEIGHT %</th>
<th>TLV</th>
<th>PEL</th>
<th>MMHg@20 C</th>
</tr>
</thead>
</table>

'070'(A) = ASPHIXIANT
'080'PSIA = POUNDS / SQUARE INCH ABSOLUTE
'100'VM&P CONTAINS <8% XYLENE, CAS 1330-20-7, TLV/PEL 100PPM (SARA 313,TITLE III)
AND <2% ETHYL BENZENE, CAS 100-41-4, TLV/PEL 100PPM (SARA 313,TITLE III)
'130'XYLENE CONTAINS 18-20% ETHYL BENZENE,CAS 100-41-4, TLV/PEL 100PPM (125PPM STEL). ETHYL BENZENE IS A SARA 313,TITLE III CHEMICAL.

SECTION III.---PHYSICAL DATA

BOILING RANGE, 43-TO 279 DEG F. VAPOR DENSITY: HEAVIER THAN AIR WT/GAL: 5.74
EVAPORATION RATE: SLOWER THAN ETHER % VOLATILE VOLUME: 97.09
VOC LB/GAL: 5.45 VAC G/M/L: 652

SECTION IV.---FIRE AND EXPLOSION HAZARD DATA

*FLAMMABILITY CLASSIFICATION OSHA: CLASS IA FLASH POINT: 156- DEGREES F
DOT: FLAMMABLE LIQUID L.E.L.: .9 % VOLUME IN AIR

*EXTINGUISHING MEDIA /X/ FOAM /X/ ALCOHOL FOAM /X/ CO2 /X/ DRY CHEMICAL /X/ WATER FOG

*UNUSUAL FIRE AND EXPLOSION HAZARDS*
KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS, AND OPEN FLAMES. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS.
CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO COMBUSTION PRODUCTS MAY CAUSE A HEALTH HAZARD.
SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION. VAPORS MAY BE IGNITED BY STATIC ELECTRICITY OR FRICTION SPARKS. VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL CONSIDERABLE DISTANCES TO POINTS OF IGNITION AND THEN FLASH BACK.

*SPECIAL FIREFIGHTING PROCEDURES*
WATER MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION WHEN EXPOSED TO EXTREME HEAT. FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-CONTAINED BREATHING APPARATUS, SHOULD BE USED TO PROTECT FIREFIGHTERS FROM ANY HAZARDOUS PRODUCTS. AVOID SPREADING BURNING LIQUID WITH WATER USED TO COOL.

/SEE NEXT PAGE/
SECTION V. --- HEALTH HAZARD DATA

*EFFECTS OF OVEREXPOSURE*

ACUTE.
/INHALATION/ ANESTHETIC. IRRITATION OF THE RESPIRATORY TRACT OR ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY THE FOLLOWING PROGRESSIVE STEPS, HEADACHE, DIZZINESS, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS, COMA OR ASPHYXIATION.
/SKIN OR EYE CONTACT/ PRIMARY IRRITANT.

CHRONIC.
OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS:
REPRODUCTIVE DISORDERS
CARDIAC ABNORMALITY
LIVER ABNORMALITIES
EYE DAMAGE

*MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE*

ASTHMA.
RESPIRATORY AND/OR SKIN ALLERGIES IN SUSCEPTIBLE PERSONS.

*PRIMARY ROUTES OF ENTRY, /X/ DERMAL /X/ INHALATION / / INGESTION

*EMERGENCY AND FIRST AID PROCEDURES*

/INHALATION/ REMOVE TO FRESH AIR. RESTORE BREATHING IF REQUIRED. TREAT SYMPTOMATICALLY CONSULT A PHYSICIAN.
/SPLASH - EYES/ FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, INCLUDING UNDER EYELIDS FOR AT LEAST 15 MINUTES CONSULT A PHYSICIAN IF IRRITATION PERSISTS.
/SPLASH - SKIN/ WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.
/INGESTION/ CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY/

*CARCINOGENICITY: / X/ IARC / X/ NTP / X/ OSHA

SECTION VI. --- REACTIVITY DATA

*STABILITY, STABLE

*HAZARDOUS POLYMERIZATION WILL NOT OCCUR

*HAZARDOUS DECOMPOSITION PRODUCTS*
MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION, AS IN WELDING OR FIRE. FUMES MAY CONTAIN: CARBON MONOXIDE, CARBON DIOXIDE, AND VARIOUS OTHER HYDROCARBONS.
PRODUCT NUMBER: MS-160
PRODUCT NAME: MAJIC SPRAY CLEAR

SECTION VI.---REACTIVITY DATA

*CONDITIONS TO AVOID*
HEAT, SPARKS, OR OPEN FLAME.

*INCOMPATIBILITY (MATERIALS TO AVOID)*
PEROXIDES OR STRONG OXIDIZING AGENTS.
STRONG ACIDS AND/OR STRONG BASES.

SECTION VII.---SPILL OR LEAK PROCEDURES

*STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED*
LIMIT SPREAD OF SPILL OR LEAK. REMOVE ALL SOURCES OF IGNITION. SOAK UP WITH AN INERT ABSORBENT MATERIAL. USE NON-SPARKING TOOLS WHEN REMOVING WET ABSORBENT.
SEE SECTION VIII FOR REQUIRED PROTECTIVE MEASURES. KEEP MATERIALS OUT OF SEWERS AND/OR DRAINS.

*WASTE DISPOSAL METHOD*
DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. APPROVED LAND FILL, APPROVED HAZARDOUS WASTE SITE, OR INCINERATION.

SECTION VIII.---SPECIAL PROTECTION INFORMATION

*RESPIRATORY PROTECTION*
OUTDOORS/ USE MECHANICAL FILTER RESPIRATOR WHILE SPRAYING.
RESTRICTED VENTILATION AREA/ USE APPROVED CHEMICAL/MECANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICULATES AND VAPORS.
CONFINED AREAS/ USE APPROVED AIR LINE TYPE RESPIRATORS OR HOODS.

*VENTILATION*
VENTILATION OF SUFFICIENT VOLUME AND PATTERN SHOULD BE PROVIDED TO KEEP AIR CONTAMINANT CONCENTRATIONS BELOW VALUES IN SECTION II. AN EXHAUST FILTER SYSTEM MAY BE REQUIRED TO AVOID ENVIRONMENTAL CONTAMINATION.
COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS ON EMISSIONS TO ATMOSPHERE.

*PROTECTIVE GLOVES*
REQUIRED FOR PROLONGED OR REPEATED CONTACT, RUBBER OR NEOPRENE.

*EYE PROTECTION*
USE CHEMICAL GOGGLES.

/SEE NEXT PAGE/
PRODUCT NUMBER: MS-160
PRODUCT NAME: MAJIC SPRAY CLEAR

SECTION VIII.---SPECIAL PROTECTION INFORMATION /CONT./

*OTHER PROTECTIVE EQUIPMENT*
WEAR CHEMICAL RESISTANT SHOES. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE RE-
USE. A RUBBER OR PLASTIC APRON SHOULD BE WORN. A SOURCE OF CLEAN WATER SHOULD BE
AVAILABLE FOR FLUSHING EYES AND SKIN.

*HYGIENIC PRACTICES*
WASH HANDS BEFORE EATING OR USING THE WASHROOM. SMOKING IN DESIGNATED SMOKING
AREAS ONLY.

SECTION IX.---SPECIAL PRECAUTIONS

*PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING*
DO NOT HANDLE UNTIL THE MANUFACTURER'S SAFETY PRECAUTIONS HAVE BEEN READ AND
UNDERSTOOD. STORE AWAY FROM EXTREME HEAT, FIRE, OR OPEN FLAME. STORE IN
ACCORDANCE WITH OSHA 1910.106. STORE LARGE QUANTITIES ONLY IN BUILDINGS DESIGNED
to comply with OSHA 1910.106. STORE IN WELL VENTILATED AREAS. DO NOT STORE ABOVE
100 DEGREES F. / 38 DEGREES C. KEEP DRUMS OUT OF DIRECT SUN.

*OTHER PRECAUTIONS*
KEEP CLOSURE TIGHT AND CONTAINER UPRIGHT TO PREVENT LEAKAGE. DO NOT STORE OR USE
NEAR HEAT SPARKS OR OPEN FLAME. DRUMS OF THIS MATERIAL SHOULD BE GROUNDED AND
BONDED WHEN POURING. DO NOT USE PRESSURE TO EMPTY, DRUM IS NOT A PRESSURE
VESSEL. DO NOT PUNCTURE, DRAG, OR SLIDE CONTAINER. DO NOT TAKE INTERNALLY.
AVOID REPEATED OR PROLONGED CONTACT WITH SKIN. LIQUID PENETRATES LEATHER AND
SHOES CAUSING DELAYED BURNS. SERIOUS ACCIDENTS HAVE RESULTED FROM THE MISUSE OF
"EMPTIED" CONTAINERS (DRUMS, 1 AND 5 GALLON PAILS, ETC.). REFER TO SECTIONS IV
AND IX. IT IS RECOMMENDED THAT CONTAINERS BE EITHER PROFESSIONALLY RECONDITIONED
FOR REUSE BY CERTIFIED FIRMS OR PROPERLY DISPOSED OF BY CERTIFIED FIRMS TO HELP
REDUCE THE POSSIBILITY OF AN ACCIDENT. DISPOSAL OF CONTAINERS SHOULD BE IN
ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS, "EMPTY" DRUMS SHOULD NOT BE
GIVEN TO INDIVIDUALS. CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED,
since emptied containers retain product residues (VAPOR, LIQUID AND/OR SOLID).
ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED. NEVER USE A
WELDING OR CUTTING TORCH ON OR NEAR DRUM, EVEN WHEN EMPTY, AS PRODUCT, EVEN
JUST RESIDUE, CAN IGNITE EXPLOSIVELY.

** NOTICE **
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOL-
VENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY
DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.
THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE, BUT IS NOT
WARRANTED TO BE WHETHER ORIGINATING WITH YENKIN MAJESTIC OR NOT. RECIPIENTS ARE
ADvised TO CONFIRM IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT,
APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.