IDENTITY: DUR-A-INK #20, #25, #100 -- ALL COLORS

MANUFACTURER: T & CO INDUSTRIES, INC/MARKAL COMPANY
PRATT BOULEVARD
GROVE VILLAGE IL 60007

EMERGENCY TELEPHONE NO. 708-956-7600
INFORMATION TELEPHONE NO. 708-956-7600
DATE PREPARED: 09-07-95
SUPERSEDES ISSUE DATE 01-05-94

LABELING:

MSIS: 240
NPPA: 230
WHMIS(CANADA): D-2B, B-2

PA HAZARDS: ACUTE, CHRONIC, FLAMMABLE
D.O.T. & U.P.S: CONSUMER COMMODITY ORM-D

ENVIRONMENTAL HAZARD: MARKERS - FELT TIP INK DRAWING

SECTION 2 - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>C.A.S.#</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>RQ</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOLUENE 1,2,3,4,5</td>
<td>108-88-3</td>
<td>200ppm/skin</td>
<td>100ppm/skin</td>
<td>1000 lbs.</td>
<td>30-35</td>
</tr>
<tr>
<td>XYLENE 1,3,4,5</td>
<td>1330-20-7</td>
<td>100ppm</td>
<td>100ppm</td>
<td>1000 lbs.</td>
<td>30-35</td>
</tr>
<tr>
<td>OTHER AROMATICS</td>
<td>100ppm</td>
<td>N.A.</td>
<td>N.A.</td>
<td>5-20</td>
<td></td>
</tr>
<tr>
<td>RESOL 1,3,4,5</td>
<td>1319-77-3</td>
<td>5ppm</td>
<td>5ppm</td>
<td>1000 lbs.</td>
<td>0-2</td>
</tr>
</tbody>
</table>

NOTE: THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET REFERS TO THE INKS IN THESE PENS OR MARKERS AND IT APPLIES TO HANDLING THIS INK IN BULK. THE INK IN THE PENS OR MARKERS IS CONTAINED IN A CAPILLARY RESERVOIR AND TIP, AND WILL NOT SPILL OR LEAK UNDER NORMAL CONDITIONS.

2 THE INDICATED CHEMICAL(S) APPEAR ON CALIFORNIA'S SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT'S LIST OF CARCINOGENS.
3 THE INDICATED CHEMICAL(S) APPEAR ON THE MASSACHUSETTS SUBSTANCES LIST.
4 THE INDICATED CHEMICAL(S) APPEAR ON THE NEW JERSEY RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST.
5 THE INDICATED CHEMICAL(S) APPEAR ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST.

SECTION 3 - PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 232 deg.F FOR TOLUENE
SPECIFIC GRAVITY(H2O=1): .88-.91
VAPOR PRESSURE(mmHg): 22 AT 68 deg.F FOR TOLUENE
MELTING POINT: N.A.
VAPOR DENSITY( AIR=1): 3.6 FOR XYLENE EVAP. RATE(ethyl ether=1): 4.5 FOR TOLUENE
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE: COLORED LIQUID
ODOR: AROMATIC SOLVENT ODOR

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): 45F FOR TOLUENE
FLAMMABLE LIMITS - LEL: 1.2%UEL: 7%
EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: SELF CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE - DEMAND OR OTHER POSITIVE PRESSURE MODE.
UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND AND BE IGNITED BY REMOTE IGNITION SOURCES.

CONTINUED ON BACK PAGE
SECTION 5 - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: N.A.
INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 6 - HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION?  SKIN?  INGESTION?
HEALTH HAZARDS: EYES: SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION.
SKIN: PROlonged CONTACT CAN CAUSE MODERATE IRRITATION.
INHALATION: CAN CAUSE NASAL AND RESPIRATORY IRRITATION, WEAKNESS, NAUSEA, ETC.
INGESTION: NAUSEA, GASTROINTESTINAL IRRITATION.
CARCINOGENICITY: NTP?  NO  IARC?  NO  OSHA?  NO
SIGNS AND SYMPTOMS OF EXPOSURE: SEE "HEALTH HAZARDS" ABOVE.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NOT KNOWN
EMERGENCY AND FIRST AID PROCEDURES: EYES: FLUSH WITH LARGE AMOUNTS OF WATER AND GET MEDICAL ATTENTION.
SKIN: WASH WITH SOAP AND WATER.
INHALATION: REMOVE TO FRESH AIR.
INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

RELEASE AND SPILL PROCEDURES: ABSORB MATERIAL ON PAPER OR OTHER ABSORBENT MATERIAL AND TRANSFER TO EXHAUST HOOD.
WASTE DISPOSAL METHOD: ALLOW TO DRY AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
HANDLING AND STORAGE PRECAUTIONS: USE WITH ADEQUATE VENTILATION.
OTHER PRECAUTIONS: N.A.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: NONE
VENTILATION / LOCAL EXHAUST: OK
MECHANICAL (GENERAL): NONE
PROTECTIVE GLOVES: NONE
EYE PROTECTION: GLASSES
OTHER PROTECTIVE EQUIPMENT: N.A.
WEAR / HYGIENIC PRACTICES: USE WITH ADEQUATE VENTILATION.

N.A. = NOT APPLICABLE  N.D. = NOT DETERMINED

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, LA-CO Industries, Inc./Markal Co. makes no representations as to its completeness or accuracy. Information is supplied upon condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will LA-CO Industries, Inc./Markal Co. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.

SdsS# A021  PRODUCT: DUR-A - INK # 20, # 25, # 100  ALL COLORS

45-140 (1)