**SECTION I - MATERIAL SAFETY DATA SHEET**

**TEMPO PRODUCTS CO.**

**Plasti-Kote Co., Inc.**

1000 Lake Road
MEDINA, OHIO 44256
1-216-725-4511

DATE PREPARED: 06-01-93

PRODUCT CLASS: AEROSOL SPRAY PAINT

SHIPPING NAME: CONSUMER COMMODITY

ORM-D INTL. UN NO.: 1950

NE = NONE ESTABLISHED

NA = NONE AVAILABLE

<table>
<thead>
<tr>
<th>HAZARD RATING</th>
<th>HMIS</th>
<th>NFPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 = SEVERE</td>
<td>HEALTH 1</td>
<td>HEALTH 2</td>
</tr>
<tr>
<td>3 = SERIOUS</td>
<td>FLAMMABILITY 4</td>
<td>FLAMMABILITY 4</td>
</tr>
<tr>
<td>2 = MODERATE</td>
<td>REACTIVITY 0</td>
<td>REACTIVITY 0</td>
</tr>
<tr>
<td>1 = SLIGHT</td>
<td>PERSONAL -</td>
<td>OTHER -</td>
</tr>
<tr>
<td>0 = MINIMAL</td>
<td>PROTECTION E</td>
<td></td>
</tr>
</tbody>
</table>

**SECTION II - HAZARDOUS INGREDIENTS.**

**PRODUCT NAME:**

**VINYL FINISHES**

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NUMBER</th>
<th>ACGIH TWA</th>
<th>OSHA PEL</th>
<th>OTHER TLV</th>
<th>VAPOR PRESSURE</th>
<th>% (wt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>* ACETONE</td>
<td>67-64-1</td>
<td>750</td>
<td>1000</td>
<td>-</td>
<td>186</td>
<td>30-35</td>
</tr>
<tr>
<td>ETHYL 3-ETHOXY PROPIONATE</td>
<td>763-69-9</td>
<td>NE NE</td>
<td>50</td>
<td>.67</td>
<td>10-15</td>
<td>0-5</td>
</tr>
<tr>
<td>METHYL ETHYL KETONE</td>
<td>78-93-3</td>
<td>200</td>
<td>200</td>
<td>-</td>
<td>0-5</td>
<td>20-25</td>
</tr>
<tr>
<td>* TOLUENE</td>
<td>108-88-3</td>
<td>100</td>
<td>100</td>
<td>-</td>
<td>5-10</td>
<td>5-10</td>
</tr>
<tr>
<td>* XYLENE</td>
<td>1330-20-7</td>
<td>100</td>
<td>100</td>
<td>-</td>
<td>0-5</td>
<td>0-5</td>
</tr>
<tr>
<td>PROPANE-ISOBUTANE MIXTURE</td>
<td>68476-86-9</td>
<td>NE</td>
<td>1000</td>
<td>-</td>
<td>19</td>
<td>8</td>
</tr>
</tbody>
</table>

*This chemical is subject to the reporting requirements of Section 313 of SARA Title III.*

**SECTION III - PHYSICAL DATA**

| BOILING RANGE: | 133° - 331°F |
| MELTING POINT: | Estimated min. 1500°F |
| VAPOR DENSITY: | _X_ Heavier, _X_ Lighter than air |
| VAPOR PRESSURE: | Unknown for products. |
| SOLUBILITY IN WATER: | Slight to moderate |
| WEIGHT PER GALLON: | 7.8 - 8.0 (PAINT) |
| SPECIFIC GRAVITY: | (H2O=1): < 1 |
| EVAPORATION RATE: | _X_ Faster, _X_ Slower than ether |
| PERCENT VOLATILE BY VOLUME: | 80-90 |

See Section II for volatile, hazardous components.

Continue on page 2
SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: OSHA: IA  
(EXTREMELY FLAMMABLE) UNIFORM FIRE CODE LEVEL 3 AEROSOL  
FLASH POINT °F (-18° C) TCC  
(Propellant = -100° F) LEL 1.0  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
Closed containers may explode and/or autoignite when exposed to extreme heat, vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors or other locations distant from material handling point.  
SPECIAL FIRE FIGHTING PROCEDURES:

Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable use self-contained breathing apparatus with full face piece operated in pressure demand or other positive pressure mode.

SECTION V - HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: ___ Inhalation  ___ Skin  ___ Ingestion  ___ Eyes  
CARCINOGENICITY: NTP  IARC OSHA  
Ingredients for product(s) listed in Section I are not found in these agencies lists.  
SYMPTOMS OF OVEREXPOSURE:  
ACUTE: Breathing - Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.  
Eye Contact - Can cause severe irritation, redness, tearing, blurred vision.  
Swallowing - Can cause gastrointestinal irritation, nausea, vomiting, diarrhea.  
Skin Contact - Can cause irritation for some persons.  
CHRONIC: None known for product(s) in Section I.  
REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE, SEVERE OVEREXPOSURE IN LABORATORY ANIMALS HAS ALSO CAUSED LIVER ABNORMALITIES AND DAMAGE TO KIDNEYS, LUNGS, AND SPLEEN, HEART AND ADRENALES. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.  
MEDICAL CONDITIONS: Generally Aggravated By Exposure - Can cause respiratory and/or skin reaction.  
FIRST AID:  
EMERGENCY PROCEDURES:  
1. IF BREATHED - REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN.  
2. IF IN EYES - FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN.  
3. IF SWALLOWED - DO NOT INDUCE VOMITING (ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE PNEUMONITIS, WHICH CAN BE FATAL). KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION/POISON CONTROL CENTER.  
4. IF ON SKIN - WASH WITH SOAP AND WATER OR VARIOUS HAND CLEANERS, AND WASH CLOTHING.

SECTION VI - REACTIVITY DATA

STABILITY: ___ Unstable  ___ Stable  __X__ HAZARDOUS POLYMERIZATION: ___ MAY OCCUR  __X__ WILL NOT OCCUR

CONDITIONS TO AVOID: Heat, Sparks and open flame.  
INCOMPATABILITY (Materials to avoid): Avoid contact with strong oxidizing agents and heat.  
Hazardous Decomposition Products: May form toxic materials, carbon dioxide/carbon monoxide, various hydrocarbons, nitrogen compounds, etc., when burned.  
CONDITIONS TO AVOID: Not applicable.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE ALL IGNITION SOURCES, VENTILATE AREA, ABSORB LIQUID ON PAPER, VERNICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO A CLOSED CONTAINER.  
WASTE DISPOSAL METHOD: MATERIAL COLLECTED ON ABSORBENT MATERIAL MAY BE DEPOSITED IN A POSTED TOXIC SUBSTANCE LANDFILL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT PUNCTURE OR INCINERATE.  
OTHER PRECAUTIONS: DO NOT STORE IN AREAS ABOVE 120° F. OR IN DIRECT SUNLIGHT. OR NEAR HEAT OR OPEN FLAMES.  
STORAGE CATEGORY: Store large quantities in building protected for storage of flammable liquids.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: FOR CASUAL/OCCASIONAL USE - TO AVOID BREATHING VAPORS OR SPRAY MIST, OPEN WINDOWS AND DOORS OR USE OTHER MEANS TO ENSURE FRESH AIR ENTRY DURING APPLICATION AND DRYING. IF YOU EXPERIENCE EYE WATERING, HEADACHE, OR DIZZINESS, INCREASE FRESH AIR, WEAR RESPIRATORY PROTECTION (NIOSH/MSHA TC232 OR EQUIVALENT), OR LEAVE THE AREA.  
VENTILATION: FOR REGULAR/CONTINUOUS USE - PROVIDE SUFFICIENT MECHANICAL (GENERAL) AND/OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOW TLV'S IN SECTION II.  
PROTECTIVE GLOVES: WEAR CHEMICAL RESISTANT GLOVES, SUCH AS NEOPRENE. IF SKIN CONTACT IS TO BE AVOIDED.  
EYE PROTECTION: CHEMICAL SPLASH GOGGLES, IN COMPLIANCE WITH OSHA REGULATIONS, ARE ADVISED.  
OTHER EQUIPMENT: WHERE SPECIAL OR UNUSUAL CONDITIONS EXIST, SEEK THE EXPERT ASSISTANCE OF AN INDUSTRIAL HYGIENIST.  
WORKHYGIEC Practices: WASH HANDS BEFORE EATING OR USING WASHROOM. AS WITH ALL CHEMICALS, MINIMIZE PERSONAL CONTACT.  
THE INFORMATION CONTAINED ABOVE IS BELIEVED TO BE ACCURATE. BUT IS NOT WARRANTED. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO CIRCUMSTANCES.  

MSDS SHEET PREPARED BY: Stanely Rapaport  
DATE: 6/11/93