MATERIAL SAFETY
DATA SHEET

DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION

TRADE NAME: 3M Spra-Ment Craft and Display Adhesive Catalog #6058 / #6060


ISSUED: JULY 1, 1993
SUPERSEDES: APRIL 15, 1993
DOCUMENT: 05-5201-8

1. INGREDIENT C.A.S. NO. PERCENT

<table>
<thead>
<tr>
<th>NON-VOLATILE COMPONENT - NEW JERSEY</th>
<th>TRADE SECRET REGISTRY No. 06499600-5901P++</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYCLOHEXANE</td>
<td>110-82-7</td>
</tr>
<tr>
<td>2-METHYLPENTANE</td>
<td>107-83-5</td>
</tr>
<tr>
<td>DIMETHYL ETHER</td>
<td>115-10-6</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td>75-28-5</td>
</tr>
<tr>
<td>PROPANE</td>
<td>74-98-6</td>
</tr>
<tr>
<td>3-METHYLPENTANE</td>
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</tr>
<tr>
<td>2,3-DIMETHYLBUTANE</td>
<td>79-29-8</td>
</tr>
<tr>
<td>NEOHEXANE</td>
<td>75-83-2</td>
</tr>
<tr>
<td>HEXANE</td>
<td>110-54-3</td>
</tr>
</tbody>
</table>

NOTE: ** synthetic polymer, tackifying resins, and stabilizers. Not hazardous according to Canadian WHMIS criteria. Non-WHMIS controlled.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:
CYCLOHEXANE

2. PHYSICAL DATA

| BOILING POINT:                     | N/A                                |
| VAPOR PRESSURE:                    | N/A                                |
| VAPOR DENSITY:                     | 2.97 Air = 1                       |
| EVaporation Rate:                  | 1.9 Ether = 1                      |
| SOLUBILITY IN WATER:              | nil                                |
| SP. GRAVITY:                       | 697 Water = 1                      |
| PERCENT VOLATILE:                  | ca. 76 % by wt                     |
| VOLATILE ORGANICS:                | ca. 75 %                           |
| VOC LESS H2O & EXEMPT SOLVENT:     | ca. 75 % (582 g/l) SCAQMD Rule 443.1, calculated |
| pH:                                | N/A                                |
| VISCOSITY:                         | N/A                                |
| MELTING POINT:                     | N/A                                |
| APPEARANCE AND ODOR:              | Aerosol, Light cream colored liquid in aerosol, sweet/fruity odor |

Abbreviations: N/D - Not Determined N/A - Not Applicable
3. FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** -42 F T.C.C.

**FLAMMABLE LIMITS - LEL:** N/D

**FLAMMABLE LIMITS - UEL:** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**EXTINGUISHING MEDIA:**
- Carbon dioxide, Dry chemical, Foam

**SPECIAL FIRE FIGHTING PROCEDURES:**
- Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**
- Closed containers exposed to heat from fire may build pressure and explode.

**NFPA-HAZARD-CODES:**
- HEALTH 3
- FIRE 4
- REACTIVITY 0

**UNUSUAL REACTION HAZARD:** None

**OSHA FIRE HAZARD CLASS:** Not applicable

4. REACTIVITY DATA

**STABILITY:** Stable

**INCOMPATIBILITY - MATERIALS TO AVOID:**
- Heat

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:**
- Carbon Monoxide and Carbon Dioxide
- Hydrocarbons
- Irritant Vapors or Gases

5. ENVIRONMENTAL INFORMATION

**SPILL RESPONSE:**
- Observe precautions from other sections. Extinguish all ignition sources. Contain spill. Cover with absorbent material. Collect spilled material. Place in a U.S. DOT-approved container and seal.

**RECOMMENDED DISPOSAL:**
- Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Facility must be capable of handling aerosol cans.

**ENVIRONMENTAL DATA:**
- No data available.

**REGULATORY INFORMATION:**
- Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable).

**SARA HAZARD CLASS:**
- FIRE HAZARD: Yes
- PRESSURE: Yes
- REACTIVITY: No
- ACUTE: Yes
- CHRONIC: Yes

Abbreviations: N/D - Not Determined  N/A - Not Applicable
6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:
Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:
Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:
Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Avoid eye contact with vapor, spray, or mist. Wear safety glasses with side shields.

SKIN PROTECTION:
Avoid prolonged or repeated skin contact. Gloves not normally required.

VENTILATION PROTECTION:
Local exhaust is required for operations using large amounts of material. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:
Avoid inhalation of vapors, mists or spray. half-mask organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:
Do not ingest.

RECOMMENDED STORAGE:
Store at temperatures below 120 degrees F (49 degrees C). Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:
Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame, and other sources of ignition. Extremely flammable liquid and vapor. Do not pierce or burn container, even after use. Avoid static discharge.

Abbreviations: N/D - Not Determined  N/A - Not Applicable
7. PRECAUTIONARY INFORMATION (CONTINUED)

EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>VALUE</th>
<th>UNIT</th>
<th>TYPE AUTH</th>
<th>SKIN*</th>
</tr>
</thead>
<tbody>
<tr>
<td>NON-VOLATILE COMPONENT - NEW JERSEY</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>TRADE SECRET REGISTRY No. 04999600-</td>
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<td>NONE</td>
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<tr>
<td>5901P++</td>
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<td></td>
</tr>
<tr>
<td>CYCLOHEXANE</td>
<td>300</td>
<td>ppm</td>
<td>TWA</td>
<td>ACGIH</td>
</tr>
<tr>
<td>CYCLOHEXANE</td>
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<td>ppm</td>
<td>TWA</td>
<td>OSHA</td>
</tr>
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<td>TWA</td>
<td>ACGIH</td>
</tr>
<tr>
<td>2-METHYL PENTANE</td>
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<td>ppm</td>
<td>STEL</td>
<td>ACGIH</td>
</tr>
<tr>
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<td>ppm</td>
<td>TWA</td>
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</tr>
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<td>ISOButane</td>
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<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>PROPAINE</td>
<td>1000</td>
<td>ppm</td>
<td>TWA</td>
<td>OSHA</td>
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<tr>
<td>PROPAINE</td>
<td>NONE</td>
<td>NONE</td>
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<tr>
<td>3-METHYL PENTANE</td>
<td>500</td>
<td>ppm</td>
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<td>ACGIH</td>
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<td>ppm</td>
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<td>OSHA</td>
</tr>
</tbody>
</table>

* SKIN NOTATION: Listed substances indicated with "V" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:
- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:
Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:
Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

INHALATION:
Intentional concentration and inhalation may be harmful or fatal.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Abbreviations: N/D - Not Determined  N/A - Not Applicable
8. HEALTH HAZARD DATA (continued)

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Peripheral Neuropathy: signs/symptoms can include tingling of extremities, incoordination, numbness, weakness and tremors.

IF SWALLOWED:
Ingestion is not a likely route of exposure to this product.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Abbreviations: N/D - Not Determined  N/A - Not Applicable

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.