SECTION 1: MATERIAL IDENTIFICATION

TRADE NAME: LaRC™-CP1 Polyimide
PRODUCT CODE: CP1

SECTION 2: COMPOSITION

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS#</th>
<th>WT %</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inert Polyimide Powder</td>
<td>100</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Dimethyl Acetamide (Residual in powder)</td>
<td>127-19-5</td>
<td>&lt;1</td>
<td>35 mg/m³</td>
<td>10 ppm</td>
</tr>
</tbody>
</table>

*NORE: This compound is not specifically cited by OSHA or ACGIH, therefore the particulates not otherwise classified (PNOC) standard should be used for exposure evaluation.

NOTE: THIS PRODUCT IS AN EXPERIMENTAL MATERIAL AND IS FOR R&D USE ONLY! TOXICOLOGICAL STUDIES HAVE NOT BEEN CONDUCTED.

SECTION 3: HAZARD IDENTIFICATION/POTENTIAL HEALTH EFFECTS

ROUTES OF ENTRY: Inhalation, skin contact.

IMMEDIATE OR ACUTE EFFECTS: Possible eye, skin and respiratory tract irritant

LONG TERM OR CHRONIC EFFECTS: Unknown

CARCINOGENICITY: Unknown
EMERGENCY OVERVIEW: Remove subject from source of irritation, flush eyes and skin thoroughly with water.

SECTION 4: FIRST AID MEASURES

EYES: Flush with water.
SKIN: Wash with soap and water
INHALATION: Wear NIOSH/MSH approved dust respirator when working with large amounts of material to keep exposure below regulatory limits.
INGESTION: Induce vomiting

SECTION 5: FIRE FIGHTING MEASURES

FLASHPOINT (°F): Not applicable.
FLAMMABLE OR COMBUSTABLE CLASSIFICATION (NFPA 30): Slight combustible solid, requires strong heating to ignite
EXPLOSIVE LIMITS UPPER/LOWER: Not applicable.
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical or water fog.
KNOWN OR ANTICIPATED HAZARDOUS PRODUCTS OF COMBUSTION: Carbon monoxide and nitrogen oxide fumes emitted when heated to decomposition.
FIRE FIGHTING INSTRUCTIONS: Employ self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Moderate to high risk of explosion in high dust conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

IF MATERIAL SPILLS OR LEAKS: This material should be collected by HEPA exhausted vacuum rather than sweeping.
SECTION 7: STORAGE AND HANDLING

STORAGE PRECAUTIONS: Store in tightly closed containers place in a dry, ventilated area.

HANDLING PRECAUTIONS: Avoid contact of powder with skin and eyes and avoid inhalation of dust or fumes.

REPAIR AND MAINTENANCE PRECAUTIONS: Not applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Use chemical safety goggles.

SKIN PROTECTION: Use disposable latex gloves and work clothing, change immediately after contamination.

RESPIRATORY PROTECTION: MSHA/NIOSH approved dust respirator.

ENGINEERING CONTROLS: Local exhaust sufficient to control fumes and dusts.

SECTION 9: STABILITY AND REACTIVITY

STABILITY: Stable at normal temperatures and storage conditions.

HAZARDOUS POLYMERIZATION: Not applicable.

CONDITIONS TO AVOID: Heat and open flame, mineral acids, strong bases and oxidizing materials.

RECOMMENDED SHELFLIFE: Indefinite.

TENDENCY TO FORM UNSTABLE ORGANIC PEROXIDE COMPOUNDS: Not applicable
SECTION 10: PHYSICAL AND CHEMICAL PROPERTIES

MELTING POINT: No applicable

PHYSICAL STATE: Powder

SPECIFIC GRAVITY Not Available

SOLUBILITY IN WATER: Insoluble

AUTOIGNITION TEMPERATURE: >300°C

DECOMPOSITION TEMPERATURE: Negligible

VAPOR PRESSURE, mmHg: Negligible

VAPOR DENSITY, AIR =1: Not available

APPEARANCE, ODOR: White to pale yellow powder at 25°C

PHYSICAL HAZARDS: Moderate to high risk of explosion in high dust conditions

SECTION 11: TOXICOLOGICAL INFORMATION

Unknown

SECTION 12: ECOLOGICAL INFORMATION

Unknown

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSABLE AS WASTE: Follow all local, state, and federal guidelines for disposal of this material.
SECTION 14: SUPPLEMENTAL INFORMATION

HAZARD RATING SYSTEM:

- HEALTH = 2
- FIRE = 1
- REACTIVITY = 1

PREPARED BY: Kevin Bates
DATE UPDATED: July 26, 2004

SECTION 15: DISCLAIMER

The information and recommendations contained herein are based upon data believed to be correct. However, since much of the information has been received from sources outside ManTech SRS Technologies, we cannot guarantee its accuracy or completeness. Health and safety precautions contained within this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this data in order to comply with all applicable laws and regulations. Additionally, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.