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| U.S. DEPARTMENT OF LABOR<br>Occupational Safety and Health Administration                                                         | Form Approved<br>OMB No. 44-R1387 |
| <h1 style="margin: 0;">MATERIAL SAFETY DATA SHEET</h1>                                                                            |                                   |
| Required under USDL Safety and Health Regulations for Ship Repairing,<br>Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917) |                                   |

| SECTION I                                                                         |                                                  |  |  |
|-----------------------------------------------------------------------------------|--------------------------------------------------|--|--|
| MANUFACTURER'S NAME<br><b>Rogers Corporation</b>                                  | EMERGENCY TELEPHONE NO.<br><b>203-774-9605</b>   |  |  |
| ADDRESS (Number, Street, City, State, and ZIP Code)<br><b>Rogers, Conn. 06263</b> |                                                  |  |  |
| CHEMICAL NAME AND SYNONYMS<br><b>N/A</b>                                          | TRADE NAME AND SYNONYMS<br><b>GP/Duroid 3220</b> |  |  |
| CHEMICAL FAMILY<br><b>N/A</b>                                                     | FORMULA<br><b>N/A</b>                            |  |  |

P.S.  
219

| SECTION II - HAZARDOUS INGREDIENTS                    |   |             |                                        |           |             |
|-------------------------------------------------------|---|-------------|----------------------------------------|-----------|-------------|
| PAINTS, PRESERVATIVES, & SOLVENTS                     | % | TLV (Units) | ALLOYS AND METALLIC COATINGS           | %         | TLV (Units) |
| PIGMENTS                                              |   |             | BASE METAL                             |           |             |
| CATALYST                                              |   |             | ALLOYS                                 |           |             |
| VEHICLE                                               |   |             | METALLIC COATINGS                      |           |             |
| SOLVENTS                                              |   |             | FILLER METAL PLUS COATING OR CORE FLUX |           |             |
| ADDITIVES                                             |   |             | OTHERS                                 |           |             |
| OTHERS                                                |   |             |                                        |           |             |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES |   |             |                                        | %         | TLV (Units) |
| <b>Asbestos fiber (bound)</b>                         |   |             |                                        | <b>64</b> | <b>*</b>    |
|                                                       |   |             |                                        |           |             |
|                                                       |   |             |                                        |           |             |
| <b>*No ACGIH limit on bound asbestos</b>              |   |             |                                        |           |             |

| SECTION III - PHYSICAL DATA |            |                                       |      |
|-----------------------------|------------|---------------------------------------|------|
| BOILING POINT (°F.)         | N/A        | SPECIFIC GRAVITY (H <sub>2</sub> O=1) | 1.55 |
| VAPOR PRESSURE (mm Hg)      | N/A        | PERCENT VOLATILE BY VOLUME (%)        | N/A  |
| VAPOR DENSITY (AIR=1)       | N/A        | EVAPORATION RATE (_____=1)            | N/A  |
| SOLUBILITY IN WATER         | negligible |                                       |      |
| APPEARANCE AND ODOR         |            |                                       |      |

| SECTION IV - FIRE AND EXPLOSION HAZARD DATA         |     |                        |     |
|-----------------------------------------------------|-----|------------------------|-----|
| FLASH POINT (Method used)                           | N/A | FLAMMABLE LIMITS       | N/A |
|                                                     |     | Lel                    | Uel |
| EXTINGUISHING MEDIA<br><b>Water or Dry Chemical</b> |     |                        |     |
| SPECIAL FIRE FIGHTING PROCEDURES<br><b>none</b>     |     |                        |     |
| UNUSUAL FIRE AND EXPLOSION HAZARDS                  |     | <b>none</b>            |     |
|                                                     |     | <b>VPD-153-0001773</b> |     |