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U.S. DEPARTMENT OF LABOR

Form No. OSHA-20  
May, 1971

MATERIAL SAFETY DATA SHEET

→ CS + rt

| SECTION I                                                                                                              |  |  |  |                                                  |  |
|------------------------------------------------------------------------------------------------------------------------|--|--|--|--------------------------------------------------|--|
| MANUFACTURER'S NAME<br><b>MONSANTO COMPANY</b>                                                                         |  |  |  | EMERGENCY TELEPHONE NO.<br><b>(314) 604-1000</b> |  |
| ADDRESS (Number, Street, City, State, and ZIP Code)<br><b>800 North Lindbergh Boulevard, St. Louis, Missouri 63166</b> |  |  |  |                                                  |  |
| CHEMICAL NAME AND SYNONYMS<br><b>Chlorinated Aromatic</b>                                                              |  |  |  | TRADE NAME AND SYNONYMS<br><b>Capacitor 21</b>   |  |
| FORMULA<br><b>Mixture</b>                                                                                              |  |  |  |                                                  |  |

  

| SECTION II                                            |  |   |                |                                           |  |   |                |
|-------------------------------------------------------|--|---|----------------|-------------------------------------------|--|---|----------------|
| PAINTS, PRESERVATIVES, & SOLVENTS                     |  | % | TLV<br>(Units) | ALLOYS AND METALLIC COATINGS              |  | % | TLV<br>(Units) |
| PIGMENTS                                              |  |   |                | BASE METAL                                |  |   |                |
| CATALYST                                              |  |   |                | ALLOYS                                    |  |   |                |
| VEHICLE                                               |  |   |                | METALLIC COATINGS                         |  |   |                |
| SOLVENTS                                              |  |   |                | FILLER METAL<br>PLUS COATING OR CORE FLUX |  |   |                |
| ADDITIVES                                             |  |   |                | OTHERS                                    |  |   |                |
| OTHERS                                                |  |   |                |                                           |  |   |                |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES |  |   |                |                                           |  | % | TLV<br>(Units) |
|                                                       |  |   |                |                                           |  |   |                |
|                                                       |  |   |                |                                           |  |   |                |
|                                                       |  |   |                |                                           |  |   |                |

  

| SECTION III PHYSICAL DATA |                           |                  |                                               |              |
|---------------------------|---------------------------|------------------|-----------------------------------------------|--------------|
| BOILING POINT (°F.)       | <b>760 mm</b>             | <b>275-320</b>   | SPECIFIC GRAVITY (60°/60°) <b>(25/15.5°C)</b> | <b>1.117</b> |
| VAPOR PRESSURE (mm Hg.)   | <b>at 100°F</b>           | <b>&gt; .005</b> | PERCENT VOLATILE BY VOLUME (LVL)              | <b>N/A</b>   |
| VAPOR DENSITY (AIR = 1)   | <b>No Avail.</b>          |                  | EVAPORATION RATE (Lb/lb H <sub>2</sub> O)     | <b>&lt;1</b> |
| SOLUBILITY IN WATER       | <b>at 25°C negligible</b> | <b>&lt;0.01%</b> |                                               |              |
| APPEARANCE AND ODOR       | <b>colorless oil</b>      |                  |                                               |              |

  

| SECTION IV FIRE AND EXPLOSION HAZARD DATA                                                                                   |                   |                  |                   |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|
| FLASH POINT (Method used)                                                                                                   | <b>Not Avail.</b> | FLAMMABLE LIMITS | <b>Not Avail.</b> |
| HAZARDOUS REACTION<br><b>Water, CO<sub>2</sub>, or dry chemical.</b>                                                        |                   |                  |                   |
| HAZARDOUS POLYMERIZATION<br><b>Laboratory protection when fighting fires where exposure to vapors or gases is possible.</b> |                   |                  |                   |
| HAZARDOUS DECOMPOSITION<br><b>Highly toxic gases (chlorides and chlorine) can be evolved in fires of this product.</b>      |                   |                  |                   |

Capacitor 21

## SECTION V HEALTH HAZARD DATA

STABILITY (Under normal conditions)

Not Available

Effects of Overexposure: Skin Irritation in the form of chloracne, systematic intoxication leads to nausea, vomiting, loss of weight, edema and abdominal pain. Remove from exposure. Remove contaminated clothing. Wash contacted area with large amounts of water and soap. Refer to physician.

## SECTION VI REACTIVITY DATA

|           |          |   |                     |
|-----------|----------|---|---------------------|
| STABILITY | UNSTABLE |   | CONDITIONS TO AVOID |
|           | STABLE   | X |                     |

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO<sub>2</sub>, smoke, soot, chlorides and chlorine

|                          |                |   |                     |
|--------------------------|----------------|---|---------------------|
| HAZARDOUS POLYMERIZATION | MAY OCCUR      |   | CONDITIONS TO AVOID |
|                          | WILL NOT OCCUR | X |                     |

## SECTION VII SPILL OR LEAK PROCEDURES

Absorb on clay, sand or other absorbent material. Place in drums. Bury in approved chemical landfill in accordance with local and state regulations.

Waste Disposal Method: Burn in an approved incinerator in accordance with local and state regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory Protection: Bureau of Mines approved respirator for organic vapors.

|             |                      |                  |         |        |
|-------------|----------------------|------------------|---------|--------|
| VENTILATION | LOCAL EXHAUST        | Yes - for vapors | SPECIAL | Vapors |
|             | MECHANICAL (General) |                  | OTHER   |        |

|                   |        |                |                  |
|-------------------|--------|----------------|------------------|
| PROTECTIVE GLOVES | rubber | EYE PROTECTION | chemical goggles |
|-------------------|--------|----------------|------------------|

OTHER PROTECTIVE EQUIPMENT

## SECTION IX SPECIAL PRECAUTIONS

Avoid skin and eye contact. Avoid inhalation of vapors.

OTHER PRECAUTIONS

MONS 029339

While the information and recommendations set forth herein are believed to be accurate as of the date hereof, MONSANTO COMPANY MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM NEGLIGENCE THEREOF.