



## HILLSBORO ELEMENTARY SCHOOLS

 713 S.E. 6th Ave.  
HILLSBORO, OR 97123

## MATERIAL SAFETY DATA SHEET

OT 0031

## SECTION I

|                                                     |         |                         |
|-----------------------------------------------------|---------|-------------------------|
| MANUFACTURER'S NAME                                 |         | EMERGENCY TELEPHONE NO. |
| OITTO DIVISION A.T.F. DAVIDSON                      |         | (617) 234-7451          |
| ADDRESS (Number, Street, City, State, and ZIP Code) |         |                         |
| MAIN STREET WHITINSVILLE, MA 01588                  |         |                         |
| CHEMICAL NAME AND SYNONYMS                          |         | TRADE NAME AND SYNONYMS |
| METHANOL                                            |         | DITTO DIRECT PROCESS    |
| CHEMICAL FAMILY                                     | FORMULA |                         |
| ALCOHOL                                             |         |                         |

## SECTION II - HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS                     | %   | TLV (Units) | ALLOYS AND METALLIC COATINGS           | % | TLV (Units) |
|-------------------------------------------------------|-----|-------------|----------------------------------------|---|-------------|
| PIGMENTS                                              |     |             | BASE METAL                             |   |             |
| CATALYST                                              |     |             | ALLOYS                                 |   |             |
| VEHICLE                                               |     |             | METALLIC COATINGS                      |   |             |
| SOLVENTS METHANOL                                     | 100 | 200         | FILLER METAL PLUS COATING OR CORE FLUX |   |             |
| ADDITIVES                                             |     |             | OTHERS                                 |   |             |
| OTHERS                                                |     |             |                                        |   |             |
| HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES |     |             |                                        | % | TLV (Units) |
|                                                       |     |             |                                        |   |             |
|                                                       |     |             |                                        |   |             |
|                                                       |     |             |                                        |   |             |
|                                                       |     |             |                                        |   |             |

## SECTION III - PHYSICAL DATA

|                         |                                            |       |                                       |         |        |
|-------------------------|--------------------------------------------|-------|---------------------------------------|---------|--------|
| BOILING POINT (°F.)     | 64.5°C                                     | 148°F | SPECIFIC GRAVITY (H <sub>2</sub> O=1) | 20/20°C | 0.7927 |
| VAPOR PRESSURE (mm Hg.) | 20°C                                       | 91 MM | PERCENT VOLATILE BY VOLUME (%)        |         |        |
| VAPOR DENSITY (AIR=1)   |                                            | 1.11  | EVAPORATION RATE (Ether=1)            |         | 5.2    |
| SOLUBILITY IN WATER     |                                            |       |                                       |         |        |
| APPEARANCE AND ODOR     | COLORLESS LIQUID - SLIGHT ALCOHOL-LIKE OOR |       |                                       |         |        |

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

|                                                                |             |                                     |     |      |
|----------------------------------------------------------------|-------------|-------------------------------------|-----|------|
| FLASH POINT (Method used)                                      | 60°F T.O.C. | FLAMMABLE LIMITS % BY VOLUME OF AIR | LM  | UM   |
|                                                                |             |                                     | 6.0 | 36.5 |
| EXTINGUISHING MEDIA                                            |             |                                     |     |      |
| CARBON DIOXIDE, DRY CHEMICAL, WATER FOG OR "ALCOHOL-TYPE" FOAM |             |                                     |     |      |
| SPECIAL FIRE FIGHTING PROCEDURES                               |             |                                     |     |      |
|                                                                |             |                                     |     |      |
| UNUSUAL FIRE AND EXPLOSION HAZARDS                             |             |                                     |     |      |
| CAN REACT VIGOROUSLY WITH OXIDIZING MATERIALS                  |             |                                     |     |      |

## SECTION V - HEALTH HAZARD DATA

|                                                                                                                                                                                                                                                                                                              |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| THRESHOLD LIMIT VALUE                                                                                                                                                                                                                                                                                        | 200 PPM (260 MG/M <sup>3</sup> ) |
| EFFECTS OF OVEREXPOSURE<br>MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED                                                                                                                                                                                                                                      |                                  |
| EMERGENCY AND FIRST AID PROCEDURES IN CASE OF CONTACT WITH EYES, FLUSH THOROUGHLY WITH WATER. IF SWALLOWED INDUCE VOMITING. REPEAT UNTIL VOMIT IS CLEAR. CALL A PHYSICIAN IMMEDIATELY. DO NOT USE TABLET SALT SOLUTION. IF AVAILABLE, USE ONE TABLESPOON (½ oz) IPECAC SYRUP PLUS AT LEAST ONE CUP OF WATER. |                                  |

## SECTION VI - REACTIVITY DATA

|                                                                                   |                |  |                     |
|-----------------------------------------------------------------------------------|----------------|--|---------------------|
| STABILITY                                                                         | UNSTABLE       |  | CONDITIONS TO AVOID |
|                                                                                   | STABLE         |  |                     |
| INCOMPATIBILITY (Materials to avoid)<br>INORGANIC ACIDS, ALDEHYDES & ISOCYANATES. |                |  |                     |
| HAZARDOUS DECOMPOSITION PRODUCTS                                                  |                |  |                     |
| HAZARDOUS POLYMERIZATION                                                          | MAY OCCUR      |  | CONDITIONS TO AVOID |
|                                                                                   | WILL NOT OCCUR |  |                     |

## SECTION VII - SPILL OR LEAK PROCEDURES

|                                                                                                                                                         |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED<br>DILUTE WITH LARGE QUANTITIES OF WATER. REMOVE CONTAINERS TO ISOLATED WELL VENTILATED AREA. |                   |
| WASTE DISPOSAL METHOD                                                                                                                                   | DILUTE WITH WATER |

## SECTION VIII - SPECIAL PROTECTION INFORMATION

|                                                                            |                      |                |
|----------------------------------------------------------------------------|----------------------|----------------|
| RESPIRATORY PROTECTION (Specify type)<br>USE ONLY IN WELL VENTILATED AREA. |                      |                |
| VENTILATION                                                                | LOCAL EXHAUST        | SPECIAL        |
|                                                                            | MECHANICAL (General) | OTHER          |
| PROTECTIVE GLOVES                                                          |                      | EYE PROTECTION |
| OTHER PROTECTIVE EQUIPMENT                                                 |                      |                |

## SECTION IX - SPECIAL PRECAUTIONS

|                                                                                                                                    |  |
|------------------------------------------------------------------------------------------------------------------------------------|--|
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING<br>KEEP AWAY FROM HEAT & OPEN FLAME. DO NOT STORE IN OPEN OR UNLABELED CONTAINERS. |  |
| AVOID ORAL INTAKE & PROLONGED BREATHING OF CONCENTRATED VAPORS.                                                                    |  |
| OTHER PRECAUTIONS                                                                                                                  |  |