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May 1969

U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
Bureau of Labor Standards

# MATERIAL SAFETY DATA SHEET

## SECTION I

| | |
|---|---|
| MANUFACTURER'S NAME: MONSANTO COMPANY | EMERGENCY TELEPHONE NO.: (314) 694-1000 |
| ADDRESS (Number, Street, City, State, and ZIP Code): 800 North Lindbergh Blvd., St. Louis, Mo. 63166 | |
| CHEMICAL NAME AND SYNONYMS: Mixture | TRADE NAME AND SYNONYMS: PYDRAUL 312A |
| CHEMICAL FAMILY: Hydraulic fluid | FORMULA: Mixture |

## SECTION II HAZARDOUS INGREDIENTS

| PAINTS, PRESERVATIVES, & SOLVENTS | % | TLV (Units) | ALLOYS AND METALLIC COATINGS | % |
|---|---|---|---|---|
| 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 | % |
|---|---|
| Not hazardous by definitions in 29 CFR section | |
| 1501.2 which pertains to this data sheet. | |
| | |
| | |

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## SECTION III PHYSICAL DATA

| | | | | |
|---|---|---|---|---|
| BOILING POINT (°F.) | 760 mm. 662 | | SPECIFIC GRAVITY ($H_2O$=1) 25/25°C | 1.115 |
| VAPOR PRESSURE (mm Hg.) | at 200°F 0.30 | | PERCENT VOLATILE BY VOLUME (%) | N.A. |
| VAPOR DENSITY (AIR=1) | N.A. | | EVAPORATION RATE (BuAc ____ =1) | < 1 |
| SOLUBILITY IN WATER | Negligible | | | |
| APPEARANCE AND ODOR | Green liquid - faint oily odor | | | |

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

| | | | |
|---|---|---|---|
| FLASH POINT (Method used): COC >500°F | FLAMMABLE LIMITS: N.A. | Lel | Uel |
| EXTINGUISHING MEDIA: water fog, foam, $CO_2$ | | | |
| SPECIAL FIRE FIGHTING PROCEDURES: N.A. | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: N.A. | | | |

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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 RELIANCE THEREON.

PYDRAUL 312A

## SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: 1.0 $mg/m^3$

EFFECTS OF OVEREXPOSURE: None at ambient temperature. At elevated temperature, irritation of mucous membrane, headache, nausea. If repeated and prolonged, possible liver damage.

EMERGENCY AND FIRST AID PROCEDURES: Not likely to be necessary at ambient temperature. If exposed to high concentration at elevated temperature, remove patient to fresh air.

## SECTION VI REACTIVITY DATA

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

INCOMPATABILITY *(Materials to avoid)*: None

HAZARDOUS DECOMPOSITION PRODUCTS: HCl, $CO_2$, CO, Soot, Phenolics, Aldehydes

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

## SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb on clay, sawdust, or other absorbent material, sweep up and dispose of in approved chemical landfill in accordance with local and state regulations.

WASTE DISPOSAL METHOD: Bury in chemical landfill.

## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*: Bureau of Mines organic respirator.

| | | |
|---|---|---|
| VENTILATION | LOCAL EXHAUST: If needed at elevated temperature. | SPECIAL |
| | MECHANICAL *(General)* | OTHER |

PROTECTIVE GLOVES: Rubber gloves for unavoidable repeated or prolonged contact.

EYE PROTECTION: Chemical goggles

OTHER PROTECTIVE EQUIPMENT

## SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid inhalation of vapors. Avoid accidental eye contact and prolonged or repeated skin contact.

OTHER PRECAUTIONS: None

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