Occupational Safety and Health Administration

# MATERIAL SAFETY DATA SHEET

AJMES102

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

| | |
|---|---|
| MANUFACTURER'S NAME: Hercules Chemical Company, Inc. | EMERGENCY TELEPHONE NO.: 1-212-869-4330 |
| ADDRESS (Number, Street, City, State, and ZIP Code): 29 W. 38th Street, New York, N.Y. 10018-1777 | |
| CHEMICAL NAME AND SYNONYMS: CPVC Organosol | TRADE NAME AND SYNONYMS: CPVC PIPE CEMENT |
| CHEMICAL FAMILY: CPVC | FORMULA: CPVC Resin in solvent solution |

## 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) |
|---|---|---|
| xture: | | |
| Tetrahydrofuran (CAS109-99-9) | | 200 PPM |
| Cyclohexanone (CAS108-94-1) | | 50 PPM |

## SECTION III - PHYSICAL DATA

| | | | |
|---|---|---|---|
| BOILING POINT (°F.) | 151 | SPECIFIC GRAVITY ($H_2O$=1) | 0.935 |
| VAPOR PRESSURE (mm Hg.) | 30 | PERCENT, VOLATILE BY VOLUME (%) | 87 |
| VAPOR DENSITY (AIR=1) | 2.5 | EVAPORATION RATE (_____ =1) | 7 |
| SOLUBILITY IN WATER | 76% | | |
| APPEARANCE AND ODOR | Orange viscous liquid. Ethereal & acetone like odor. | | |

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | | |
|---|---|---|---|---|
| FLASH POINT (Method used) | TCC 6°F | FLAMMABLE LIMITS | Lel 2% | Uel 11.8% |

EXTINGUISHING MEDIA
Dry chemical, carbon dioxide or alcohol foam

SPECIAL FIRE FIGHTING PROCEDURES
Use spray nozzle discharge to assist in controlling the fire.
Handle as flammable liquid.

UNUSUAL FIRE AND EXPLOSION HAZARDS
long standing, may form peroxides that should be destroyed before stillation. Can react with oxidizing materials. Vapor is heavier than air and may travel considerable distance to source of ignition and flashback.


(Continued on reverse side)

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Tetrahydrofuran 200 PPM, Cyclohexanone 50 PPM

EFFECTS OF OVEREXPOSURE
Dizziness, headache, lack of coordination. Severe over exposure to vapor can cause narcosis. Eye, throat & nose irritant.

EMERGENCY AND FIRST AID PROCEDURES
Vapors: remove to fresh air, give artificial respiration & oxygen if necessary. Liquid: remove contaminated clothing & wash affected skin with soap & water. Flush eyes thoroughly at least 15 minutes & consult physician.

## SECTION VI - REACTIVITY DATA

| STABILITY | | | CONDITIONS TO AVOID |
|---|---|---|---|
| | UNSTABLE | | Sparks & open flame. |
| | STABLE | X | |

INCOMPATABILITY (Materials to avoid)
Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS
Peroxides are formed on long exposure to air or oxygen.

| HAZARDOUS POLYMERIZATION | | | CONDITIONS TO AVOID |
|---|---|---|---|
| | MAY OCCUR | | Avoid excessive exposure to air or oxygen. |
| | WILL NOT OCCUR | X | |

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Eliminate all ignition sources. Flush with water. Avoid flushing into confined areas. Avoid prolonged breathing of vapors. Keep liquid out out eyes.

WASTE DISPOSAL METHOD
Incinerate

## SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Self contained breathing apparatus. Positive pressure airline masks, air pack or organic canister.

| VENTILATION | | |
|---|---|---|
| LOCAL EXHAUST: As required | SPECIAL | |
| MECHANICAL (General) | OTHER | |

| PROTECTIVE GLOVES | EYE PROTECTION |
|---|---|
| PVA gloves | Chemical safety goggles |

OTHER PROTECTIVE EQUIPMENT
Apron, boots, eye bath, safety shower

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Highly flammable. Prevent skin contact to avoid defatting action.

OTHER PRECAUTIONS
Use normal good personal hygiene.



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