## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT IDENTIFIER:**

**PRODUCT CODE:**

**CHEMICAL FAMILY:**

**RECOMMENDED USES:** Industrial Uses

**RESTRICTIONS ON USE:** None

**EMERGENCY PHONE:**

## SECTION 2: HAZARD(S) IDENTIFICATION

*Please see Section 3 and 15 for country specific classification information, and Section 11 for additional details.*

### Hazard Classification according to 29 CFR 1910.1200

Not hazardous according to 29 CFR 1910.1200

### Labeling

Pictograms
None

Signal Word
None

Hazard Statements
None

Precautionary Statements
None

### Hazards Not Otherwise Classified

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**There are no hazardous ingredients according to 29 CFR 1910.1200**

| INGREDIENT NAME: | CAS NO. | Conc. (% w/w) | GHS Classification |
|---|---|---|---|
| Amino formaldehyde resin | Proprietary | 50 - 75 | Not Hazardous |
| Formaldehyde | 50-00-0 | <0.1 | |

Note: See section 8 for occupational exposure limits and section 11 for LC50/LD50 information

## SECTION 4: FIRST AID MEASURES

**SYMPTOMS/EFFECTS**

| | |
|---|---|
| **EYES:** | Rinse immediately with plenty of water for at least 15 minutes or until the chemical has been removed. If irritation persists, obtain medical attention immediately. |
| **SKIN:** | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician if necessary. |
| **INGESTION:** | DO NOT induce vomiting. If affected person is fully conscious, give one glass of water to drink. Never give anything by mouth to an unconscious person. Consult a physician if necessary. |
| **INHALATION:** | Remove to fresh air. If breathing is difficult, give oxygen. Consult a physician if necessary. |

### Most Important Effects

| | |
|---|---|
| Acute | Possible irritation to skin and eyes. |
| Delayed | No known long term symptoms of exposure. |

### SPECIAL TREATMENT

None

## SECTION 5: FIRE FIGHTING MEASURES

| | |
|---|---|
| **SUITABLE EXTINGUISHING MEDIA:** | Material does not burn. Use $CO_2$, dry chemical or foam or whatever is suitable for the source of the fire. |
| **UNSUITABLE EXTINGUISHING MEDIA:** | N/A |
| **SUITABLE FIRE FIGHTING EQUIPMENT:** | Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. |
| **FIRE AND EXPLOSION HAZARDS:** | Heating or fire can release toxic gas |
| **HAZARDOUS DECOMPOSITION PRODUCTS:** | Decomposition products may include the following materials:<br>Carbon dioxide<br>Carbon monoxide<br>Acetic acid |

## SECTION 6: ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| **EMERGENCY PROCEDURES** | Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. |
| **PERSONAL PRECAUTIONS:** | Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5). Do not touch or walk through spilled material. |
| **PROTECTIVE EQUIPMENT** | Wear suitable personal protective equipment including hand and eye/face protection and suitable clothing for the task being performed. |
| **ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS** | Prevent entry into waterways, sewers, or confined areas. Do not allow material to contaminate ground water system. For small spills, add absorbent and a non-sparking or explosion-proof means to transfer material to a sealable appropriate container for disposal. For large spills, dike spilled material, or otherwise contain material to ensure runoff does not reach a waterway. |

**SECTION 6 NOTES:** See section 1 for emergency contact information and section 13 for waste disposal

## SECTION 7: HANDLING AND STORAGE

| | |
|---|---|
| **HANDLING:** | Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling. |
| **STORAGE:** | Keep container in a well ventilated area. Keep container lightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). |
| **INCOMPATIBLE** | None |

**MATERIALS**

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**OCCUPATIONAL EXPOSURE LIMITS**

| Ingredient name | CAS Number | OEL United States |
|---|---|---|
| Formaldehyde | 50-00-0 | ACGIH TLV – 0.3 ppm ceiling<br>OSHA – 0.75 ppm<br>OSHA STEL – 2 ppm |
| Amino formaldehyde resin | Proprietary | None established |

**ENGINEERING CONTROLS:** Provide exhaust ventilation or other engineering controls to minimize exposure to airborne particles or vapors.

**PERSONAL PROTECTIVE EQUIPMENT**

**RESPIRATORY SYSTEM** Use appropriate respiratory protection to minimize risk of exposure to airborne particles/vapor or mist. A respirator may be necessary for sensitive populations or for process that generate high levels of airborne particles.

**EYES** Safety Goggles are considered minimum protection. Goggles with a face shield may be necessary depending on quantity of material and conditions of use. Contact lenses should not be worn when working with this chemical.

**SKIN & BODY** Where contact is likely, wear chemical resistant gloves, a chemical resistant suit and boots. Additional body garments should be used based upon the task being performed.

**HANDS** Hand Protection: Wear chemical resistant gloves. Nitrile gloves of minimum thickness >0.5 mm is recommended. Replace gloves immediately when torn or any change in appearance (dimension, color, flexibility, etc.) is noticed.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **APPEARANCE** | Clear milky colored liquid |
| **ODOR** | Slight formaldehyde odor |
| **ODOR THRESHOLD** | N/A |
| **PH** | 7 – 7.6 |
| **MELTING POINT/FREEZING POINT;** | Not Determined |
| **INITIAL BOILING POINT AND BOILING RANGE** | Not Determined |
| **FLASH POINT** | >212 °F, (>100 °C) |
| **EVAPORATION RATE;** | Slower than ether |
| **FLAMMABILITY (SOLID, GAS)** | Not Determined |
| **UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS** | Not Determined |

| | |
|---|---|
| VAPOR PRESSURE | N/A |
| VAPOR DENSITY | Not Determined |
| RELATIVE DENSITY | ~ 1 g/mL |
| SOLUBILITY(IES) | Moderate |
| PARTITION COEFFICIENT: N-OCTANOL/WATER | Not Measured |
| AUTO-IGNITION TEMPERATURE | N/A |
| DECOMPOSITION TEMPERATURE | N/A |
| VISCOSITY | Not Determined |

## SECTION 10: STABILITY AND REACTIVITY

| | |
|---|---|
| STABILITY: | Stable under recommended storage conditions |
| CONDITIONS TO AVOID (STABILITY): | Heat, flames and sparks.<br>Take precautionary measures against static charges and avoid exposure to light. |
| INCOMPATIBILITY (MATERIAL TO AVOID): | Radical forming initiators, peroxides, strong alkalis or reactive metals to prevent exothermic polymerization. |
| HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: | Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide. |
| HAZARDOUS POLYMERIZATION: | None known |

## SECTION 11: TOXICOLOGICAL INFORMATION

| | |
|---|---|
| Routes of entry: | Skin, Eyes, Ingestion, and Inhalation |
| Acute Toxicity (Oral) | No data available |
| Acute Toxicity (inhalation) | No data available |
| Acute Toxicity (Dermal) | No data available |
| Inhalation/Corrosion of the skin | May be slightly irritating |
| Serious eye damage/eye irritation | No data available |
| Respiratory/skin sensitization | No data available |
| Repeated dose toxicity | No data available |
| <u>CMR assessment</u> | |
| Carcinogenicity | No data available |
| Mutagenicity | No data available |
| Teratogenicity | No data available |
| Toxicity to reproduction | No data available |
| Genotoxicity in vitro | No data available |
| Genotoxicity in vivo | No data available |
| Carcinogenicity | This product contains component(s) that are listed on one or more of the following lists: NTP, IARC, ACGIH, or OSHA as a carcinogen (formaldehyde) |
| Reprotoxicity/Development/ Teratogenicity | No data available |
| Specific Target Organ Toxicity - Single exposure | No data available |
| Specific Target Organ | No data available |

| | |
|---|---|
| Toxicity - Repeated exposure | |
| Aspiration hazard | No Aspiration toxicity classification |
| Other information | None |

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicology Assessment

| | |
|---|---|
| Acute aquatic toxicity | No data available |
| Chronic aquatic toxicity | No data available |

12.1. Toxicity

| | |
|---|---|
| Aquatoxicity, fish | No data available |
| Aquatoxicity, invertebrates | No data available |
| Aquatoxicity, algae / aquatic plants | No data available |
| Toxicity in : microorganisms | No data available |
| chronic toxicity in fish | No data available |
| Chronic toxicity in aquatic Invertebrates | No data available |
| Toxicity in organisms which live in the soil | No data available |
| Toxicity in terrestrial plants | No data available |
| Toxicity to Above-Ground Organisms | No data available |

12.2. Persistence and degradability

| | |
|---|---|
| Photodegradation | No data available |
| Biological degradability | No data available |
| Physico-chemical emovability | No data available |
| Biochemical Oxygen Demand (BOD) | No data available |
| Chemical Oxygen Demand (COD) | No data available |
| Relation of BOD/COD | No data available |
| Dissolved organic carbon (DOC) | No data available |
| Adsorbed organic bound halogens (AOX) | No data available |
| Distribution among environmental compartments | No data available |

12.3. Bioaccumulative potential

| | |
|---|---|
| Bioaccumulation | No data available |

12.4. Mobility in soil

| | |
|---|---|
| Environmental distribution | No data available |

12.5. Results of PBT and vPvB assessment

| | |
|---|---|
| PBT and vPvB assessment | No data available |

12.6. Other adverse effects

| | |
|---|---|
| General Information | Do not allowto enter water ways or soil |

## SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|---|---|
| WASTE DISPOSAL METHOD: | Dispose of contents/container in accordance with local and national regulations. Contents should not be released into the environment. |
| CONTAMINATED PACKAGING: | Empty containers should be taken to an approved waste handling site for recycling or disposal. |

## SECTION 14: TRANSPORT INFORMATION

**U.S. DEPARTMENT OF TRANSPORTATION**
**UN NUMBER:** NOT REGULATED
**PROPER SHIPPING NAME:**
**HAZARD CLASS:**
**PACKING GROUP:**
**LABEL STATEMENT:**

## SECTION 15: REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All components are listed on or exempt from TSCA

**CERCLA: HAZARDOUS SUBSTANCES:** Formaldehyde (RQ 100 lbs)

**313 TOXIC CHEMICAL AND RELEASE REPORTING** Formaldehyde

**311/312 HAZARD CATEGORIES:** Immediate (acute) health hazard, delayed (chronic) health hazard

**313 REPORTABLE INGREDIENTS:** Formaldehyde (RQ 500 lbs)

**STATE REGULATIONS**

**CA Prop 65:** WARNING: This product may contain a chemical known to the State of California to cause cancer and birth defects. Formaldehyde

**STATE RIGHT-TO KNOW**

| Component | CAS | MA | NJ | PA |
|---|---|---|---|---|
| N/A | | | | |

## SECTION 16: OTHER INFORMATION

**HAZARDOUS MATERIAL INFORMATION SYSTEM:(USA)**

| | |
|---|---|
| Health | 2 |
| Fire Hazard | 1 |
| Reactivity | 1 |
| Personal Protection | D |

**Refer to Section 8 for additional information on appropriate personal protection equipment**

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**Reasons for Revision:** New Product SDS

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