# MATERIAL SAFETY DATA SHEET.

## UREA FORMALDEHYDE RESIN 301P

### SECTION I : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** UFORES 301P

**Synonym:** Urea Formaldehyde Resin

**UN No:** Not available.

**CAS#:** 9011-05-6

**RTECS:** Not listed

**Hazchem Code**: None

**Contact Information**:

**Methanol Chemicals Company (CHEMANOL)**
P.O. Box 2101
Jubail Industrial City, 31951
Kingdom of Saudi Arabia
Website: www.chemanol.com

**Tel. No's:**
00966-3-358-9905 / 358-1111

**Emergency Contact No:**
00966-3-358-0384

### SECTION II : COMPOSITION AND INFORMATION ON INGRADIENTS

**Composition:**

| Name | CAS# | % by weight |
|---|---|---|
| UREA FORMLDEHYDE RESIN | 9011-05-6 | >95 |
| FORMALDEHYDE | 50-00-0 | < 1 |
| WATER | 7732-18-5 | 3 |

### SECTION III : HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW**

Material is non flammable under emergency conditions would offer no hazardous beyond that of ordinary combustible materials.

**POTENTIAL HEALTH EFFECTS**

**Eye:** May be an eye irritant.
**Skin:** May be irritating to skin.
**Ingestion:** Ingestion may result in abdominal discomfort.
**Inhalation:** Dust May be Irritating to respiratory system.

## SECTION IV : FIRST AID MEASURES

**Eyes:** Flush the eye continuously with running water. Continue flushing For at least 15 minutes. Seek medical attention.
**Skin:** Flush skin and hair with running water Seek medical attention in event of irritation.
**Ingestion:** Rinse mouth with water. Give water to drink. If abdominal discomfort occurs seek medical attention.
**Inhalation:** Remove victim from the area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remain clothing. Allow patient to assume most comfortable position and keep warm. Rest until fully recovered. Consult a medical practioner, either at site or at the nearest hospital.

## SECTION V : FIRE AND EXPLOSION DATA

**General Information:** The material is not readily combustible under normal conditions. Decomposes on heating emitting toxic fumes Not considered to be a significant fire risk.
**Auto ignition Temperature:** Not Applicable
**Flash Point:** Not Applicable
**Flammable Limits, Lower:** Not Applicable
**Flammable Limits, Upper**: Not Applicable
**NFPA Rating (estimated)** : Health: 1; Flammable: 0; Instability: 0
**Extinguishing Media:** Water, Carbon dioxide, Foam or dry chemical agents, fire extinguishers. For large fires, use water spray.

## SECTION VI : ACCIDENTAL RELEASE MEASURE

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** May create Slippery conditions. Minor hazard. Contact by using protective equipment as required. Prevent spillage from entering drains or water ways. Collect recoverable product into labeled containers for recycling.

## SECTION VII : HANDLING AND STORAGE

**Storage containers:** Paper bags of 25 kg capacity with poly ethylene liner.
**Handling:** The bags of UF Resin powder should be stored in well ventilated areas away from sources of heat, flame or sparks and direct sunlight. Avoid smoking in storage or working areas.
**Storage:** Store in cool and dry well ventilated area. Keep away from acids and oxidizing agents. As the material is hygroscopic keep containers sealed. Store in dry cooled & well ventilated area. Keep away from any ignition sources.

## SECTION VIII : EXPOSURE CONTROL /PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use in a well-ventilated area. Use local exhaust ventilation to remove air borne emissions below the applicable exposure limits and guidelines.
**EXPOSURE LIMITS:** UF Resin (Dust) 10 mg/m3 , Formaldehyde (vapor) : 0.3 ppm
**PERSONAL PROTECTIVE EQUIPMENT:**
**Eyes:** Use of approved Safety goggles.
**Skin:** Barrier cream and Neoprene rubber gloves. Overalls.
**Respirators:** Wear dust mask. Selection of the Class and Type of respirator will depend upon the level of Breathing zone contaminant and the chemical nature of the contaminant.

## SECTION IX : PHYSICAL AND CHEMICAL PROPERTIES

**Physical state and appearance:** White free flowing powder
**Odor:** Slight.
**Color:** white free flowing powder
**pH of solution:** 8-9
**Boiling Point:** Not applicable
**Melting point :** Approx. 110 deg C
**Viscosityof 2:1 solution:** 2000-5000 CP
**Bulk Density:** 0.4-0.6 g/cc
**Solubility:** soluble in water

## SECTION X : STABILITY AND REACTIVITY

**Chemical Stability:** Stable,
**Conditions to Avoid:** Keep away from strong acids oxidizing materials, heat and naked flame.
**Incompatibilities with Other Materials:** Product is considered stable. Hazardous polymerization will not occur.
**Hazardous Decomposition Products:** Emits toxic fumes of NOX on burning.

## SECTION XI : TOXICOLOGICAL INFORMATION

**RTECS:** Not listed
**Routes of Entry:** Eye/Skin contact. Inhalation. Ingestion.
**Toxic Effects:**

### ACUTE HEALTH EFFECTS

**SKIN:** May be irritating to skin.
**EYE:** May be irritating to eyes
**INHALATION:** Dust may be Irritating to respiratory system.
**INGESTION:** Considered an unlikely route of entry in commercial/industrial environments. Ingestion may result in nausea, abdominal irritation, pain and vomiting.

### CHRONIC HEALTH EFFECTS

Principal routes of exposure are by accidental skin and eye contact and by inhalation of Vapors especially at higher temperatures.

**Toxicity to Animals:**
No information available.
**Toxicity to Human (Chronic Effects):**
No data available

**Neurotoxicity:** No information available.
**Mutagenicity:** No information available.
**Carcinogenicity:** -
**ACGIH:** A2 - Suspected Human Carcinogen (Formaldehyde)
**NTP:** Not listed
**IARC:** Group 2A (probable ) (Formaldehyde)
**Epidemiology:** No information available.
**Reproductive effects:** No information available.

## SECTION XII: ECOLOGICAL INFORMATION

**Ecotoxicity:**
No Information available. How ever , avoid contaminating waterways.

## SECTION XIII : DISPOSAL CONSIDERATION

Recycle wherever possible or dispose of in an authorized landfill.

## SECTION XIV : TRANSPORT INFORMATION

**Shipping Name:** Urea Formaldehyde Resin
**Hazard Class:** None
**UN Number:** None
**Packing Group:** None
**IMDG Code (Page No.) :** None.
**SPECIAL PROVISIONS FOR TRANSPORT :** None

## SECTION XV : REGULATORY INFORMATION

| | |
|---|---|
| Health Hazard | 1 |
| Fire Hazard | 0 |
| Physical Hazard | 0 |
| Personal Protection | E |

**HMIS**
Health Hazard: 1
Fire Hazard: 0
Reactivity: 0
Personal Protection: E

**NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A):**
(Estimated)
Health : 1
Flammability: 0
Reactivity: 0
Specific Hazard:

**Protective Equipment:**
Chemical Gloves.
Safety goggles.
Dust Mask respirator.

**TSCA**
Not listed.

**Health & Safety Reporting List**
None of the chemicals are on Health & Safety Reporting List under sec. 716.120 under US EPA
**Chemical Test Rules**
None of the chemicals in this products are under a Chemical Test Rules
Section 12 b. None of the chemicals are listed under TSCA section 12 b

**TSCA Significant New Use Rule**
None of the chemicals in this material have a SNUR under TSCA.

**CERCLA** : Hazardous substances & corresponding RQs
100 ( As Formaldehyde solution)
**SARA** Section 302 Extremely Hazardous Substances
500 (As Formaldehyde solution)
**SARA** Section 313
X (As Formaldehyde solution)
**RCRA**
U122 (As Formaldehyde solution)

**Clean Air Act:**
CAS# 50.0.0 Formaldehyde Mentioned as Hazardous Air pollutants under Clean Air Act sec 112 (r)

**Clean Water Act:**
CAS# 50.0.0 Formaldehyde is not listed as a Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**
CAS# 50.0.0 Formaldehyde considered highly hazardous by OSHA , 29 CFR 1910.119 App A

**European Labeling in Accordance with EC Directives**
CAS# 9011-05-6 No information available.

**GHS pictogram**

**Signal word** **WARNING**

**Hazard Statements**

H317 : May cause an allergic skin reaction
.
**Precautionary Statements**
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P358: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403 +P235 : Store in well ventilated place. Keep cool
P501 : Dispose of contents/container in accordance with local/regional/national
International regulation.

## SECTION XVI : OTHER INFORMATION

**References**: Not available.
**Other Special considerations**: Not available.
**Date Approved**: August 2014.
**Information Contact**: Technical Services Department.

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