MATERIAL SAFETY DATA SHEET.

UREA FORMALDEHYDE RESIN 401P

SECTION I : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
Product Name: UFORES 401P **Synonym:** Urea Formaldehyde One Shot Resin **UN No:** Not available. **CAS#:** Not available. **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 : 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.

Hazard Classification: Skin Sensitization
GHS pictogram

Signal word **WARNING**

Hazard Statements
H317 : May cause an allergic skin reaction
.
Precautionary Statements
P102 : Keep out of reach of children.
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 III : COMPOSITION AND INFORMATION ON INGRADIENTS

Composition:

Name	CAS#	% by weight
UREA FORMLDEHYDE RESIN	9011-05-6	70 - 90
FORMALDEHYDE	50-00-0	< 1.8
ORGANIC FILLER	-	10 - 20
INORNANIC FILLER	-	10 - 20
HARDENER (AMMONIUM SALT)	-	2 - 10

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 VIII : 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 VII : 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: Free flowing powder
Odor: Slight.
Color: white to slightly creamish
Boiling Point: Not applicable
Melting point : Approx. 110 deg C
Viscosity of 2:1 solution: 3000 - 6500 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: No information available.
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.

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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