



# Manufacturers Chemicals

## TYPICAL

### CHARACTERISTICS:

**APPEARANCE:** CLEAR PALE  
STRAW LIQUID

**pH 1% SOLUTION:** 9

**SOLUBILITY IN WATER:**  
SOLUBLE

**BROOKFIELD VISCOSITY @  
75°F:** N/D

**SPECIFIC GRAVITY:** 1.09 g/ml

**% MOISTURE:** 86

**STORAGE STABILITY:** STORE AT  
NORMAL TEMPERATURES AND  
CONDITIONS OF  
WAREHOUSING. AVOID  
ALLOWING PRODUCT TO  
FREEZE.

**PACKAGING:** AVAILABLE IN  
DRUM, TOTE AND BULK

## **MANATHICK 031**

- **PRODUCT USE:** LATEX THICKENER
- **CHEMICAL DESCRIPTION:** POLYMER BLEND

*All data is believed to be correct; however, should not be accepted as a guarantee of accuracy without confirming tests in your own plant or laboratory.*

**“Problem Solving Chemicals Since 1919”**

Manufacturers Chemicals  
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MANUFACTURERS CHEMICALS, LLC  
4325 OLD TASSO ROAD  
CLEVELAND, TN 37312

PRODUCT SPECIFICATIONS SHEET

SEPTEMBER 16, 2015

**PRODUCT: MANATHICK 031  
(13319)**

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TEST	DESCRIPTION	SPECIFICATIONS
VTM4.55	pH	8.0 TO 11.0
VTM6.26	VISC-BRKFLD RVF #5	5,000 TO 25,000
MTM6.7	APPEARANCE	CLEAR TO HAZY PALE STRAW LIQ.

**Material Safety Data Sheet**  
**MANATHICK 031**

**SECTION I - IDENTIFICATION**

MANUFACTURER'S NAME: ..... MANUFACTURERS CHEMICALS, LLC  
MANUFACTURER'S ADDRESS: .... 4325 OLD TASSO ROAD | P.O. BOX 2788 CLEVELAND, TN 37312  
EMERGENCY PHONE NUMBER ... 423-476-6666 OR CHEMTREC 800-424-9300  
DATE PREPARED:..... MAY 7, 2008  
REVISED DATE:..... SEPTEMBER 16, 2015  
PRODUCT NAME: ..... MANATHICK 031  
CHEMICAL DESCRIPTION:..... POLYMER BLEND  
PRODUCT USE: ..... LATEX THICKENER

**SECTION II - HAZARDOUS INGREDIENTS**

HAZARDOUS INGREDIENT	PERCENT	TLV (UNITS)	PRODCAS #
ETHANOL	5	1000 ppm	64-17-5

**SECTION III - PHYSICAL DATA**

**BOILING POINT:**.....212F  
**pH 1% SOLUTION:**.....9  
**SOLUBILITY IN WATER:** SOLUBLE  
**% MOISTURE:** .....86  
**BROOKFIELD VISC. @ 75F.....**N/D  
**SPECIFIC GRAVITY:**.....1.09 g/ml  
**APPEARANCE AND ODOR:**..... CLEAR PALE STRAW LIQUID WITH A MILD ODOR  
**MISC. PHYSICAL DATA:**.....N/A

**SECTION IV - FIRE AND EXPLOSION DATA**

**FLASHPOINT:** .....>212F (TCC)  
**FIRE POINT:**.....N/A  
**EXTINGUISHING MEDIA:** PRODUCT WILL NOT BURN UNTIL ALMOST ALL THE WATER IS DRIVEN OFF; HOWEVER, USE EXTINGUISHING MEDIA AS APPROPRIATE FOR THE MATERIALS IN THE SURROUNDING FIRE.  
**SPECIAL FIRE FIGHTING PROCEDURES:** WEAR A SELF CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE DEMAND OR OTHER POSITIVE DISPLACEMENT MODE. WATER SPRAY SHOULD BE USED TO KEEP DRUMS COOL IF THEY ARE INVOLVED IN A FIRE SINCE HEAT WILL CAUSE THE PRODUCT TO EXPAND AND POSSIBLY CAUSE THE DRUMS TO EXPLODE FROM INTERNAL PRESSURE. SOME VAPORS OF THIS PRODUCT ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND BE IGNITED AT LOCATIONS DISTANT FROM THE MATERIAL HANDLING POINT.

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**SECTION V - REACTIVITY DATA**

**CHEMICAL STABILITY:**..... STABLE

**CONDITIONS TO AVOID:** ..... N/A

**INCOMPATIBILITY:**                STRONG OXIDIZERS.

**DECOMPOSITION PRODUCTS:**        CARBON DIOXIDE, CARBON MONOXIDE AND VARIOUS HYDROCARBONS  
MAY BE RELEASED DURING A FIRE.

**HAZARDOUS POLYMERIZATION:**    WILL NOT OCCUR

**SECTION VI - HEALTH HAZARD DATA**

**THRESHOLD LIMIT VALUE:** N/D

**OVER EXPOSURE EFFECTS/ROUTES OF ENTRY:**

CAN CAUSE EYE IRRITATION. PROLONGED OR REPEATED CONTACT WITH THE UNDILUTED PRODUCT CAN CAUSE SKIN DRYNESS OR IRRITATION. EXCESSIVE BREATHING OF VAPORS ATTAINABLE AT ELEVATED TEMPERATURES MAY CAUSE DIZZINESS, HEADACHE, AND RESPIRATORY SYSTEM IRRITATION. SWALLOWING THIS PRODUCT MAY CAUSE GASTROINTESTINAL IRRITATION, DIARRHEA, NAUSEA, AND VOMITING.

**FIRST AID PROCEDURES:**

FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING AND WASH AFFECTED SKIN AREAS WITH MILD SOAP AND WATER. IF AFFECTED BY BREATHING VAPOR, REMOVE INDIVIDUAL TO FRESH AIR. IN CASE OF INTOXICATION, GIVE OXYGEN. AVOID MOUTH-TO-MOUTH RESUSCITATION.

**CHRONIC OVER EXPOSURE EFFECTS:**

N/A

**CARCINOGENITY INFORMATION:**

NO COMPONENTS OF THIS PRODUCT ARE LISTED AS A CARCINOGEN BY IARC, NTP, OSHA, OR ACGIH.

**SECTION VII - SPILL OR LEAK PROCEDURE**

**FOR SPILL:**

CONTAIN SPILL AND SALVAGE AS MUCH MATERIAL AS POSSIBLE BY PUMPING TO A SALVAGE TANK OR DRUM. PICK UP REMAINING MATERIAL WITH A SUITABLE ABSORBENT.

**WASTE DISPOSAL METHOD:**

DISPOSE OF ONLY BY METHODS APPROVED BY AND USED IN ACCORD WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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MANATHICK 031**

**SECTION VIII - SPECIAL PROTECTION**

**RESPIRATORY PROTECTION:**  
NOT NORMALLY REQUIRED.

**VENTILATION:**  
LOCAL EXHAUST, GENERAL MECHANICAL.

**PROTECTIVE GLOVES:**  
NEOPRENE OR OTHER CHEMICAL RESISTANT GLOVES.

**EYE PROTECTION:**  
CHEMICAL SPLASH GOGGLES.

**OTHER PROTECTIVE EQUIPMENT:**  
SAFETY SHOWER / EYE BATH.

**SECTION IX - SPECIAL PRECAUTIONS**

**SPECIAL INFORMATION:**  
KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID ALLOWING PRODUCT TO FREEZE. WASH CONTAMINATED CLOTHING BEFORE RE-WEARING.

**DOT HAZARD CLASS:** .....N/A  
**DOT SHIPPING NAME:** .....N/A  
**UN NUMBER:** .....N/A  
**NA NUMBER:** .....N/A

**ADDITIONAL REGULATORY INFORMATION:** ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

<b>HMS CODES</b>	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERS. PROTECTION	C

ALL DATA ARE BELIEVED TO BE CORRECT, HOWEVER, THIS SHOULD NOT BE ACCEPTED AS A GUARANTEE OF THEIR ACCURACY WITHOUT CONFIRMING TESTS IN YOUR OWN PLANT OR LABORATORY. THE DATA RELATES ONLY TO THE MATERIAL AS SUPPLIED AND DOES NOT RELATE TO COMBINATIONS WITH OTHER MATERIALS.  
MC-153-84A  
1-3319