

# MANAWET 172

MANAWET 172 is an amphoteric surfactant of Monosodium N-Lauryl-beta-Iminodipropionic Acid, exhibiting a high degradability, both aerobically and anaerobically.

## **Product Features:**

- Compatible with a wide range of nonionic, anionic, and cationic surfactants
- Exhibits good foaming in hard and soft water
- Highly soluble in strong alkali, acid and ionic systems
- Highly degradable
- Functions as a hydrotrope in detergent systems
- Used for emulsion polymerization and as emulsion stabilizer.
- Commonly used as Natural Latex stabilizer, usually in conjunction with highly sulfated oleic acid

## **Typical Properties**

Appearance.....	Clear amber liquid
Solids % .....	30
pH, 1% in DI water.....	8.0
Color, Gardner.....	3
Specific Gravity.....	1.04

## **Packaging, Storage, and Handling:**

MANAWET 172 is shipped in 55-gallon drums (450# net) and 275-gallon totes (2200# net).

MANAWET 172 in concentrated form is irritating to skin and eyes. Eye protection and protective clothing should be worn during handling.

MANAWET 172 should be stored in closed containers above 45°F (7°C). Spills and residues may be cleaned up with water. MANAWET 172 may turn hazy or form a gel during prolonged storage. Gentle heating to 45-50°C will yield a clear product.

MANAWET 172 is classified as a Cleaning Compound for shipping (freight classification).

***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.***

# Material Safety Data Sheet

## MANAWET 172

### 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: ..... AUGUST 18, 2011  
REVISED DATE: ..... N/A  
PRODUCT NAME: ..... MANAWET 172  
CHEMICAL DESCRIPTION: ..... SURFACTANT  
PRODUCT USE: ..... INDUSTRIAL PROCESSING AID

### SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	TLV (UNITS)	PRODCAS #
NONE			

### SECTION III - PHYSICAL DATA

**BOILING POINT:** ..... 212F  
**pH 1% SOLUTION:** ..... 7.0 TO 8.0  
**SOLUBILITY IN WATER:** SOLUBLE  
**% MOISTURE:** ..... 67 TO 68  
**BROOKFIELD VISC. @ 75F** ..... 20 cps  
**SPECIFIC GRAVITY:** ..... 1.06 g/ml  
**APPEARANCE AND ODOR:** ..... CLEAR AMBER 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.

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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:** NOT ESTABLISHED.

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

CAN CAUSE MODERATE TO SEVERE EYE IRRITATION. PROLONGED OR REPEATED CONTACT WITH THE UNDILUTED PRODUCT CAN CAUSE SKIN DRYNESS OR 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 SKIN IRRITATION IS SEVERE OR CONTINUES, GET MEDICAL ATTENTION. 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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**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:**

STORE AT NORMAL TEMPERATURES AND CONDITIONS OF WAREHOUSING. 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 IN THE

TSCA INVENTORY.

HMIS CODES	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERS. PROTECTION	B

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-204-94B

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