

# SAFETY DATA SHEET

## SECTION 1

### PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Hydrate Plus NF (Non-foaming)  
**PRODUCT IDENTIFIER CODE(S):** 101300  
**PRODUCT RECOMMENDED/INTENDED USE:** Non-Ionic Wetting Agent  
**MANUFACTURER/SUPPLIER:** TEXAS REFINERY CORP.  
**ADDRESS:** 840 N. MAIN STREET, FORT WORTH, TX 76164  
**GENERAL INFORMATION:** 817-332-1161  
**24 HR. EMERGENCY PHONE NUMBER:** CHEMTREC 1-800-424-9300


## SECTION 2

### HAZARDS IDENTIFICATION

#### GHS Classification(s):

Health	Physical	Environmental
Eye Irritant- Category 2A Skin Irritant- Category 3	No known physical hazards.	No known environmental hazards.

#### GHS Label:

<b>Pictogram(s):</b> 	
<b>Signal Word: Warning!</b> <b>Hazard Statements:</b> Causes serious eye irritation. May cause skin irritation.	<b>Precautionary Statements:</b> Avoid contact with eyes and skin. Wear protective gloves, clothing and eye/face protection. Wash hands thoroughly after handling. Keep container tightly closed when not in use. Store in a cool, dry, well-ventilated area. Keep out of reach of children. Dispose of contents and container in accordance with all federal, state and local regulations. <b>Response: FIRST AID: IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get immediate medical attention. <b>IF SKIN IRRITATION OCCURS:</b> Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists, get medical attention. <b>IF SWALLOWED:</b> Do NOT induce vomiting. Rinse mouth and give large quantities of water if victim is conscious. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway open. Get immediate medical attention. <b>IF INHALED:</b> If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

## SECTION 3

### COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	WT. %
Nonylphenol ethoxylates	127087-87-0	< 20.0

## SECTION 4

### FIRST AID MEASURES

**PRINCIPAL ROUTES OF EXPOSURE:** Eyes and skin  
**EFFECTS OF EXPOSURE (ACUTE AND CHRONIC):** May cause skin irritation. However, brief contact is not known to be irritating. Contact with eyes may cause severe irritation with possible chemical burns of the eye. Ingestion may cause

abdominal discomfort, nausea, vomiting, and/or diarrhea. If directly inhaled, mist from this product may cause respiratory irritation, chest discomfort and/or coughing.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get immediate medical attention.

**IF SKIN IRRITATION OCCURS:** Remove contaminated clothing and wash skin thoroughly with soap and water. If irritation persists, get medical attention.

**IF SWALLOWED:** Do NOT induce vomiting. Rinse mouth and give large quantities of water if victim is conscious. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep airway open. Get immediate medical attention.

**IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None known

**NOTES TO PHYSICIAN:** None

## SECTION 5 FIRE FIGHTING MEASURES

**FIRE CLASSIFICATION:** GHS Non-flammable. Non-Combustible.

**NFPA RATINGS:** HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

**FLASH POINT (°F/C):** None

**LOWER EXPLOSION LIMIT/UPPER EXPLOSION LIMIT:** N/A

**OSHA FLAMMABILITY CLASSIFICATION:** Non-flammable. Non-combustible

**SUITABLE EXTINGUISHING MEDIA:** N/A

**FIREFIGHTING PROCEDURES:** N/A

**PROTECTION OF FIRE FIGHTERS:** N/A

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**COMBUSTION PRODUCTS:** None

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTION:** Wear appropriate personal protective equipment when cleaning up spills (See Section 8). Keep unnecessary people away; isolate hazard area and deny entry.

**PROCEDURES:** Dike spill area and spread absorbent material over the spill. Scoop up contaminated material and place into approved waste container for disposal.

## SECTION 7 HANDLING AND STORAGE

**HANDLING:** Avoid contact with eyes and skin. Wear protective gloves, clothing and eye/face protection. Wash hands thoroughly after handling. NOT FOR AQUATIC USE.

**STORAGE:** Keep container tightly closed when not in use. Keep out of reach of children. Do not allow product to freeze. Store in a cool, dry, well-ventilated place. Recommended storage temperature is between 40-120°F.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Use only in an outdoor or well-ventilated area.

### PERSONAL PROTECTIVE EQUIPMENT

**EYE/FACE PROTECTION:** Safety goggles or safety glasses with side shields.

**SKIN PROTECTION:** Rubber gloves are recommended. Additional items including rubber boots and rubber apron are recommended.

**RESPIRATORY PROTECTION:** Not required under normal conditions of use. Use a NIOSH/MSHA-approved respirator if misting could occur.

**OCCUPATIONAL EXPOSURE LIMITS:** Not determined

**SECTION 9****PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE (Color and physical state):** Green liquid  
**ODOR:** Slight odor  
**pH:** 10.0-12.5 (Concentrate)  
**MELTING POINT/FREEZING POINT:** Freezing point = 32°F (as water)  
**BOILING POINT (°F/C):** >210/99  
**FLASH POINT (°F/C):** None  
**EVAPORATION RATE (Butyl Acetate =1):** Not determined  
**FLAMMABILITY:** Non-flammable. Non-combustible  
**UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:** N/A  
**VAPOR PRESSURE (mm Hg):** Not determined  
**VAPOR DENSITY (Air=1):** Not determined  
**SOLUBILITY (in water):** Soluble  
**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.02  
**PERCENT VOLATILE BY VOLUME:** > 80.0

**SECTION 10****STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** This material is considered stable under specified conditions of use, shipment and storage.  
**INCOMPATIBILITY WITH OTHER MATERIALS:** None known  
**CONDITIONS TO AVOID:** None known  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, acrid smoke and fumes may be generated upon burning.  
**HAZARDOUS REACTION/ POLYMERIZATION:** Will not occur

**SECTION 11****TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY VALUES:** There is no data available for this product as a whole. Acute toxicity data for individual components of this product are listed below:  
**CAS# 127087-87-0:** Oral LD<sub>50</sub> (Rat) = 960-3,980 mg/kg  
Dermal LD<sub>50</sub> (Rabbit): 2,000-2,991 mg/kg  
Inhalation LC<sub>50</sub> (Rat): 1.5 mg/L; 4H  
**IRRITANT EFFECT ON THE SKIN:** There is no data available for this product as a whole. May cause skin irritation. However, brief contact is not known to be irritating.  
**IRRITANT EFFECT ON THE EYES:** There is no data available for this product as a whole. Contact with eyes may cause severe irritation with possible chemical burns of the eye.  
**SENSITIZATION:** There is no data available for this product as a whole. A product safety assessment of chemical CAS# 127087-87-0, has shown that the component is not a skin sensitizer.  
**MUTAGENICITY:** Not classified. For the component CAS# 127087-87-0: These surfactants show no evidence of being genotoxic or mutagenic or causing birth defects  
**CARCINOGENICITY:** Not classified. For the component CAS# 127087-87-0: These products have low toxicity. Small amounts swallowed incidental to normal handling operations are not likely to cause injury. In two-year feeding studies, animals that were fed up to 200 mg/kg/day of the chemical – the equivalent of eating 14 grams (0.5 ounces) for a 68-kg (150-pound) adult each day for 2 years – showed no significant effects, i.e. was not carcinogenic  
**REPROTOXICITY/TERATOGENICITY:** Not classified. For the component CAS# 127087-87-0: These surfactants show no evidence of being genotoxic or mutagenic or causing birth defects  
**FURTHER INFORMATION ON TOXICOLOGY:** None

**SECTION 12****ECOLOGICAL INFORMATION**

**ECOTOXICITY:** There is no data available for this product as a whole.

**CAS# 127087-87-0:** Ecotoxicity in water (LC50): 21.4 mg/l 48 hours [Daphnia]. 6.6 mg/l 96 hours [Daphnia]. 7.7 mg/l 96 hours [Fish (Fathead Minnow)]. 4.8 mg/l 96 hours [Fish (Fathead Minnow)]. 6.6 mg/l 96 hours [Fish (Fathead Minnow)]. Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**AQUATIC AND/OR TERRESTRIAL TOXICITY:** Readily and rapidly biodegradable.

**INFORMATION ON ELIMINATION (PERSISTENCE AND DEGRADABILITY)**

**BIOACCUMULATION:** Readily and rapidly biodegradable.

**ECOTOXICOLOGICAL EFFECTS:** No data available

**FURTHER INFORMATION ON ECOLOGY:** Some nonylphenol ethoxylate surfactants have exhibited long-term aquatic effects. As a general precaution, avoid discharge of product into natural waters. Product is NOT FOR AQUATIC USE.

## SECTION 13 DISPOSAL CONSIDERATIONS

**PROCEDURES:** Dispose of contents and container in accordance with all federal, state and local regulations.

## SECTION 14 TRANSPORT INFORMATION

**U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING DESCRIPTION:** Non-regulated material

**INTERNATIONAL MARITIME ORGANIZATION (IMDG) SHIPPING DESCRIPTION:** Non-regulated material

**FREIGHT CLASSIFICATION:** Adjuvants, Sprayable Product, Dry or Liquid, Designed for Addition to Sprayable Defoliant, Fertilizers, Fungicides, Herbicides, Insecticides or Mitecides (NMFC 42652)

## SECTION 15 REGULATORY INFORMATION

**TOXIC SUBSTANCES CONTROL ACT (TSCA):** All hazardous components of this product are listed on or exempted from the TSCA inventory.

**CLEAN WATER ACT (CWA):** If spilled into waters of the U.S., this product may be reportable under the Clean Water Act.

**CLEAN AIR ACT (CAA):** This product is not considered a hazardous substance under the Clean Air Act.

**OSHA HAZARD COMMUNICATION STANDARD:** This material is considered to be hazardous in accordance with OSHA 29 CFR 1910.1200.

## SECTION 16 OTHER INFORMATION

**REVISION INDICATOR:** New SDS compliant with GHS AND OSHA.

**DATE OF REVISION:** 08/05/2016

**SUPERSEDES:** 06/23/2016

**DISCLAIMER:** THIS INFORMATION IS BEING SUPPLIED TO YOU UNDER OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910.1200 AND IS OFFERED IN GOOD FAITH. THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE TO THE BEST OF OUR KNOWLEDGE. TEXAS REFINERY CORP. MAKES NO WARRANTY, EXPRESSED OR IMPLIED, REGARDING THE ACCURACY OF THIS DATE, THE HAZARDS CONNECTED WITH THE USE OF THE MATERIAL, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. TEXAS REFINERY CORP. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE SAFE USE OF THIS MATERIAL IN YOUR PROCESS OR IN COMBINATION WITH OTHER SUBSTANCES. TEXAS REFINERY CORP. ASSUMES NO RESPONSIBILITY FOR DAMAGE OR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.