

# SAFETY DATA SHEET

Elite Imperial

SDS DATE: 4/21/2015

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ELITE IMPERIAL

DISTRIBUTOR: Red River Specialties, Inc.

ADDRESS: 1324 N Hearne Ave., Ste 120 Shreveport, LA 71107

PHONE: (800) 256-3344

EMERGENCY CHEMTREC PHONE: US: 1-800-424-9300 International: 1-202-483-7616

CHEMICAL NAME: Proprietary mixture

CHEMICAL FAMILY: Low pH water conditioner

CHEMICAL FORMULA: Mixture

PRODUCT USE: Agricultural and industrial adjuvant

SECTION 1 NOTES: None

## SECTION 2: HAZARDOUS INGREDIENTS

### GHS Ratings:

Toxicity Categories: NONE

Signal Word: NONE

Hazard symbol: NONE

### GHS HAZARDS

None Classified

### GHS PRECAUTIONS

P102 Keep out of reach of children.

P103 Read label before use.

P233 Keep container tightly closed.

P234 Keep only in original container.

P261 Avoid breathing dust, fume, gas, mist, vapors or spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P281 Use personal protective equipment as required.

P301+312 IF SWALLOWED: Call a POISON CENTER, doctor or physician if you feel unwell.

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do then continue rinsing cautiously.

## SECTION 3: HAZARDS IDENTIFICATION

### INGREDIENT

Citric Acid  
Sodium tripolyphosphate  
Phosphoric acid

### CAS NO.

77-92-9  
7758-29-4  
7664-38-2

### % WT

5 – 10%  
1 – 5%  
1 – 5%

NOTE: Product does NOT contain any pesticides or pest control agents.

SECTION 3 NOTES: These specific chemical identities and or exact percentage (concentration) of composition have been withheld as a trade secret.

### CARCINOGENICITY

OSHA: No ACGIH: No NTP: No IARC: No OTHER: No

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## SECTION 4: FIRST AID MEASURES

*Have the product container with you when calling a poison control center or doctor, or going for treatment.*

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing for several minutes.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water for several minutes. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice.

**IF SWALLOWED:** Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person. Call a poison center, doctor, chemical manufacturer, importer, or distributor to specify the appropriate source of emergency medical advice if you feel unwell.

**IF INHALED:** If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

### NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

## SECTION 5: FIRE FIGHTING MEASURES

### NFPA HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: -

**IN CASE OF FIRE:** Foam, Dry Chemical, CO2 or Water.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use alcohol-type or universal-type foams on larger fires. Smaller fires should be extinguished with carbon dioxide or dry chemical. Do not use water or foam directly on the fire. Use self-contained breathing apparatus with fighting any fire in an enclosed area.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Burning may produce toxic fumes, carbon monoxide, carbon dioxide, aliphatic aldehydes, carboxylic acids, and oxides of silicon.

**HAZARDOUS DECOMPOSITION PRODUCTS:** During combustion, oxides of carbon.

SECTION 5 NOTES: None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Flush spill area with water. Prevent liquid entering sewers. If slipperiness remains apply more dry-sweeping compound. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

SECTION 6 NOTES: None

## SECTION 7: HANDLING AND STORAGE

**HANDLING** Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use personal protective equipment as required.

**STORAGE:** Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. For optimal storage, store between 40° and 90° F.

SECTION 7 NOTES: None



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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

	OSHA		ACGIH		NIOSH	
	PEL	STEL	PEL	STEL	PEL	STEL
Phosphoric acid 7664-38-2	1 mg/m <sup>3</sup> TWA		1 mg/m <sup>3</sup> TWA 3 mg/m <sup>3</sup> STEL		1 mg/m <sup>3</sup> TWA 3 mg/m <sup>3</sup> STEL	

**VENTILATION:** Normal room ventilation (mechanical) or outdoor use should be satisfactory.

**RESPIRATORY PROTECTION:** Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.

**EYE PROTECTION:** Chemical goggles and face shield.

**SKIN PROTECTION:** Chemical gloves, long-sleeved shirts and pants.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash and safety shower should be easily accessible.

**WORK HYGIENIC PRACTICES:** Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.

**EXPOSURE GUIDELINES:** If exposed, see section 4 for acute exposure first aid.

**SECTION 8 NOTES:** None

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Clear to slight haze, colorless to slight tint	<b>FLAMMABLE LIMITS IN AIR, UPPER:</b>	Unknown
		(% BY VOLUME)	<b>LOWER:</b> Unknown
<b>ODOR:</b>	Odorless	<b>VAPOR PRESSURE (mmHg):</b>	@
<b>ORDER THRESHOLD:</b>	Not known		F: Unknown
<b>PHYSICAL STATE:</b>	Liquid		C: Unknown
<b>pH AS SUPPLIED:</b>	Not applicable	<b>VAPOR DENSITY (AIR = 1):</b>	@
<b>pH (Other):</b>			F: Unknown
<b>INITIAL BOILING POINT:</b>	F: Unknown		C: Unknown
	C: Unknown	<b>RELATIVE DENSITY:</b>	1.239 to 1.289
<b>BOILING POINT RANGE:</b>	F: Unknown	<b>EVAPORATION RATE:</b>	Unknown
	C: Unknown	<b>BASIS (butyl acetate=1):</b>	
<b>MELTING POINT:</b>	F: Unknown	<b>SOLUBILITY IN WATER:</b>	Soluble
	C: Unknown	<b>PARTITION COEFFICIENT: (n-octanol/water):</b>	Unknown
<b>FREEZING POINT:</b>	F: Unknown	<b>AUTO-IGNITION TEMPERATURE:</b>	Unknown
	C: Unknown	<b>DECOMPOSITION TEMPERATURE:</b>	Unknown
<b>FLASH POINT:</b>	F: >200	<b>VISCOSITY:</b>	@ Not determined
	C: >93		F: Unknown
<b>METHOD USED:</b>	PMCC		C: Unknown

**FLAMMABILITY (solid, gas):**

### SECTION 9 NOTES: Values are not product specifications.

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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## SECTION 10: STABILITY AND REACTIVITY

STABILITY:      Stable ☒      Unstable ☐

CONDITIONS TO AVOID (STABILITY):      None known

INCOMPATIBILITY (MATERIAL TO AVOID):      None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:      CO<sub>2</sub>, O<sub>2</sub>.

HAZARDOUS POLYMERIZATION:      Will not occur

CONDITIONS TO AVOID (POLYMERIZATION):      None known

SECTION 10 NOTES:      None

## SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:      None

MIXTURE TOXICITY      LD50 Acute oral toxicity >5000mg/kg (Rat)  
LD50 Acute dermal toxicity >5050mg/kg (Rabbit)  
Acute eye Irritation (Rabbit) scored 2.7 out of 110 effects cleared in 7 days  
Acute Dermal irritation (Rabbit) scored 0.0 out of 8.0 based on a 72 hour observation

COMPONENT TOXICITY      Not available

SECTION 11 NOTES:      None

## SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:      None

ECOTOXICITY:      Not available

BIOACCUMULATIVE POTENTIAL:      Not available

MOBILITY IN SOIL:      Not available

OTHER ADVERSE EFFECTS:      Not available

SECTION 12 NOTES:      None

## SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:      Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

CONTAINER DISPOSAL:      Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

RCRA HAZARD CLASS:      None

SECTION 13 NOTES:      None

## SECTION 14: TRANSPORT INFORMATION

### U.S. DEPARTMENT OF TRANSPORTATION

DOT Shipping Description:      Not Regulated

U.S. Surface Freight Classification: ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

OTHER AGENCIES:      None

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SECTION 14 NOTES: None

## SECTION 15: REGULATORY INFORMATION

### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Mixture not listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Regulated

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: None

INTERNATIONAL REGULATIONS: None

SECTION 15 NOTES: None

## SECTION 16: OTHER INFORMATION

OTHER INFORMATION: None

### DISCLAIMER:

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.



Elite

# Imperial

water conditioning agent

## PRINCIPAL FUNCTIONING AGENTS:

Ammonium sulfate, hydroxy carboxylic acid and sodium tripolyphosphate... 44%  
 Constituents ineffective as spray adjuvants..... 56%  
**TOTAL**..... 100%  
 All ingredients are accepted for use under CFR 40, 180.  
 WA Reg Number 73354-13004

## KEEP OUT OF REACH OF CHILDREN

### PRECAUTIONARY STATEMENT

May cause skin and eye irritation. Do not get on eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**Personal Protective Equipment:** Wear protective eye wear (goggles or face shield), chemical resistant gloves, long-sleeved shirt and long pants, and shoes plus socks.

## FIRST AID

**Call a poison control center or doctor immediately for treatment advice.**

Have the product container with you when calling a poison control center or doctor, or going for treatment.

**If Swallowed:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye.

## GENERAL INFORMATION

**FOR USE WITH PRODUCTS REGISTERED FOR: AGRICULTURAL, FORESTRY INDUSTRIAL, MUNICIPAL, NON-CROPLAND, ORNAMENTAL, RIGHTS-OF-WAY, TURF AND OTHER USES.**

**IMPERIAL** is a water conditioning agent which promotes herbicide performance by modifying elements such as pH and hardness of the spray water. To aid in herbicide uptake, a blend of ammonium sulfate and ammoniacal nitrogen have been added along with buffers, sequestrants and chelating agents to condition the spray water.

Hard water and high pH can minimize the efficiency of certain pesticides. Ammoniacal nitrogen is known to be an effective uptake enhancer for herbicides by several plant species and by conditioning the spray water and providing a source of ammoniacal nitrogen, **IMPERIAL** positively affects herbicide spray applications.

Do not use **IMPERIAL** with herbicides that are not compatible in acidic conditions or low pH.

**Do not use with sulfonyl urea herbicides.**

Do not use with tank mixes utilizing fixed copper fungicides such as cupric hydroxide, basic copper, COPPER COUNT N or copper oxychloride.

Do not apply this product in such a manner as to directly or through drift, expose workers or other persons.

Always jar test **IMPERIAL** with tank mix herbicides prior to mixing. Applicator must have experience with this product or conduct a phytotoxicity trial or use the directions from the products used in the tank mix.

## DIRECTIONS FOR USE

### READ AND FOLLOW DIRECTIONS FOR USE ON HERBICIDE LABELS.

### NOT FOR AQUATIC USE

It is recommended to use test areas when applying during high humidity, high temperatures or other possible situations where field practice is restricted.

1. Fill spray tank half full of water and begin agitation.
2. Add desired rate of **IMPERIAL** to water before adding pesticides.
3. Add pesticides, as directed by label, while maintaining agitation.

**NOTE:** If pesticide label recommends the addition of a surfactant follow instructions accordingly. **IMPERIAL** is not a replacement for a surfactant.

## RECOMMENDED USE RATES

**Ground:** Apply at the rate of 1-4 pints per acre in 100 gallons of spray (0.125 - 0.50% v/v).

**Aerial:** Use 2-4 pints per 100 gallons of spray (0.25 - 0.50% v/v).

**Water Conditioning:** Use 1 to 5 pints per 100 gallons of water as a general use water conditioning agent for pH reduction and hard water sequestering.

## STORAGE

Store in a cool, dry place. Store in original container only. Do not add anything to the container. Keep container tightly sealed when not in use. Do not store near fire, flame or other potential sources of ignition. Do not contaminate water, food or feed by storage or disposal of this product.

## DISPOSAL

Do not reuse empty container. Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal if allowed by law. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at [www.acrecycle.org](http://www.acrecycle.org). Decontaminated containers and materials must be disposed of in a manner allowed by local, state and federal laws and regulations.

## WARRANTY

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to the label instruction, or any abnormal conditions, or under conditions not reasonably foreseeable to the seller, and buyer assumes the risk of any such use.

## Tech Matrix

Virgin Ingredients	100%
Active Ingredients	52%
Sequestering	<input checked="" type="checkbox"/>
Buffering	<input checked="" type="checkbox"/>
Chelating	<input checked="" type="checkbox"/>

Manufactured for:



**RED RIVER**  
**SPECIALTIES**  
 INCORPORATED

1324 N. Hearne Ave., Ste 120 Shreveport, LA 71107  
 1-800-256-3344