

## SAFETY DATA SHEET



Date Prepared : 03/24/2016  
SDS No : 5131

## FORMULA 1601

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** FORMULA 1601  
**GENERAL USE:** Rust Inhibitor  
**PRODUCT CODE:** 5131

**MANUFACTURER**

JOHN-HENRY Enterprises, Inc.  
2813 Richland Ave  
Metairie, LA 70002  
**Emergency Contact:** H. Zeller  
**Emergency Phone:** 504-888-8989

**24 HR. EMERGENCY TELEPHONE NUMBERS**

US/Canada: 800-535-5053

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS****Health:**

Eye Irritation, Category 4  
Skin Irritation, Category 5  
Carcinogenicity, Category 3

**Environmental:**

Acute Hazards to the Aquatic Environment, Category 4

**GHS LABEL**

Health hazard



Irritant

**HAZARD STATEMENTS**

H320: Causes eye irritation.  
H316: Causes mild skin irritation.  
H351: Suspected of causing cancer  
H402: Harmful to aquatic life.

**PRECAUTIONARY STATEMENTS****General:**

P102: Keep out of reach of children.  
P103: Read label before use.

**Prevention:**

P270: Do not eat, drink or smoke when using this product.  
P262: Do not get in eyes, on skin, or on clothing.  
9913FBB7: Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling.

**Response:**

2445D9YI: Immediately take off all contaminated clothing and footwear. Wash contaminated clothing before reuse.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
2647OCLL: IF SWALLOWED: Immediately call a POISON CENTER, doctor, or other qualified medical personnel. (See First Aid Section for more information) Rinse mouth. Do NOT induce vomiting.

**Storage:**

75990X3S: Keep only in original container. Store in a cool, well-ventilated space. Keep container tightly closed.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Moderately to severely irritating and may cause temporary blurring of vision.

**SKIN:** Prolonged or repeated exposure may cause skin irritation and dermatitis.

**INGESTION:** May cause gastrointestinal discomfort, including nausea, vomiting, diarrhea, etc

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Sodium Nitrite	10 - 15	7632-00-0
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.	> 85	mixture

**4. FIRST AID MEASURES**

**EYES:** Gently hold eyelids open and flush with water for 15 minutes or until discomfort eases. Remove contact lenses if possible. Seek medical attention if irritation persists or vision remains blurred.

**SKIN:** Remove contaminated clothing and footwear. Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Get immediate medical attention (call 911). Keep patient warm, calm, and quiet. Do not induce vomiting unless instructed to do so by poison center or physician.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Moderate irritation, stinging, burning, temporary blurring of vision

**SKIN:** Prolonged or repeated contact may produce mild irritation, including redness, burning or itching, rash, etc.

**INGESTION:** Harmful if swallowed. Can cause gastrointestinal discomfort, including nausea, vomiting, and diarrhea.

**INHALATION:** Not a likely route of exposure.

**NOTES TO PHYSICIAN:** Treat symptomatically.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** Not Applicable - Water based product with no flashpoint.

**EXTINGUISHING MEDIA:** Not applicable - water based product. After water has evaporated, use water (fog or spray) or chemical foam on burning solids.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and nitrogen, organonitrogen and hydrocarbon residues, and acid fumes

**EXPLOSION HAZARDS:** Containers can burst if exposed to flames or high temperatures.

**FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus when fighting chemical fires. Use water fog or spray to cool intact containers.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Wear recommended PPE. Collect spilled product for reuse or disposal. Rinse spill area with water

**LARGE SPILL:** Wear appropriate PPE. Remove uninvolved personnel from area. Stop flow. Contain spill and keep from entering sewer or surface waterways. Collect spill into suitable, properly labeled containers for use or disposal. Rinse spill area with water.

**7. HANDLING AND STORAGE**

**HANDLING:** Avoid contact with eyes and prolonged contact with skin. Read and understand product label and SDS before handling any chemical. Always wear recommended personal protective equipment. Follow label cautions and instructions.

**STORAGE:** Store in original containers in well ventilated area away from strong acids or oxidizing materials. Keep containers tightly closed when not in use.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Maintain sufficient ventilation in storage and use areas to prevent the accumulation of dusts or product vapors, spray, or mists. Provide local exhaust for enclosed areas.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES AND FACE:** Avoid eye contact. Wear safety glasses or goggles

**SKIN:** Wear rubber, latex, or other chemical resistant gauntlet gloves.

**WORK HYGIENIC PRACTICES:** Wash thoroughly before eating, drinking, smoking, or using the facilities after handling any chemical product.

**OTHER USE PRECAUTIONS:** Working eyewash stations and safety showers should be located in or near all areas where chemicals are stored or used.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** none

**APPEARANCE:** clear, colorless liquid

**pH:** 9.5 to 10.5

**Notes:** as made

**PERCENT VOLATILE:** 78 - 82% (w/w)

**FLASH POINT AND METHOD:** No flashpoint

**VAPOR PRESSURE:** Same as water (approximately)

**VAPOR DENSITY:** Same as water (approximately)

**BOILING POINT:** greater than 212 deg F

**FREEZING POINT:** less than 32 deg F (0 deg C)

**SOLUBILITY IN WATER:** Complete in all proportions.

**EVAPORATION RATE:** Same as water (approximately)

**SPECIFIC GRAVITY:** 1.055 to 1.065

**(VOC):** < 0.100

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Mild oxidizer

**HAZARDOUS POLYMERIZATION:** Will not occur

**POSSIBILITY OF HAZARDOUS REACTIONS:** None anticipated

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, and nitrogen, organonitrogen, and and hydrocarbon residues

**INCOMPATIBLE MATERIALS:** Concentrated acids, ammonia and amines

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

**NOTES:** No toxicity data available for product

### CARCINOGENICITY

**IARC:** Sodium Nitrite is listed as "Probably carcinogenic to humans" (2A- group 2A)

**NTP:** Not identified as a probable, possible, potential, or confirmed human carcinogen.

**OSHA:** Not identified as a probable, possible, potential, or confirmed human carcinogen.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No available data for product

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Non hazardous material. Dispose in accordance with applicable local, state, and Federal regulations.

**FOR LARGE SPILLS:** See Section 6

**EMPTY CONTAINER:** Triple rinse container thoroughly with water and recycle.

## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** NOT REGULATED

**VESSEL (IMO/IMDG)**

SHIPPING NAME: NOT REGULATED

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** Acute health hazard (eye and skin irritation)**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt. %	CAS
Sodium Nitrite	10 - 15	7632-00-0

**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)**

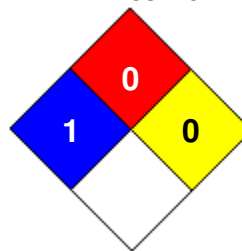
Chemical Name	Wt. %	CERCLA RQ
Sodium Nitrite	10 - 15	100

**CERCLA RQ:** 1000 lbs (as supplied)**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
Sodium Nitrite	7632-00-0

**CALIFORNIA PROPOSITION 65:** Contains no substances known to the State of California to cause cancer, birth defects, or reproductive harm.**16. OTHER INFORMATION****REASON FOR ISSUE:** New Product**APPROVED BY:** H. Zeller**PREPARED BY:** CSCC **Date Prepared:** 03/24/2016**HMIS RATING**

<b>HEALTH</b>	<input type="checkbox"/>	<b>1</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input checked="" type="checkbox"/>	

**NFPA CODES****GENERAL STATEMENTS:** Amounts given herein (other than for regulatory purposes) are typical and do not represent a specification.

Unspecified or unlisted components are proprietary, do not present a hazard at levels present, are not hazardous, and/or are present at levels below reportable limits. Exact percentage values for all components are proprietary in accordance with 29 CFR 1910.1200(i)

**MANUFACTURER DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. However, no liability whatsoever is assumed for its accuracy and/or completeness. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown health or physical hazards and should be used with caution. Certain hazards are described herein, but no guarantee is made that these are the only hazards associated with the material that exist.