

SAFETY DATA SHEET



Date issued : 02/15/2022
SDS number : Formula 1601
Date revised : 07/17/2024
Revision number : 2

FORMULA 1601

1. Identification

Product code: 5131
Product identifier: FORMULA 1601
Relevant identified uses: Rust Inhibitor

Manufacturer / Supplier

John-Henry Enterprises, Inc.
800 Central Ave.
Jefferson, LA 70121

Emergency contact: H. Zeller

Emergency Phone: 504-888-8989

Web: www.john-henry.com

Emergency telephone number (24 hour)

US/Canada: 800-535-5053

2. Hazard identification

Classification of the substance or mixture

Health hazards:

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

Environmental hazards:

Acute Hazards to the Aquatic Environment, Category 4

Label elements



Health hazard



Irritant

Hazard statement(s)

H320: Causes eye irritation.

H316: Causes mild skin irritation.

H351: Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H402: Harmful to aquatic life.

Precautionary statement(s)

Supplemental label elements:

P102: Keep out of reach of children.

P103: Read carefully and follow all instructions.

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

Eye: 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	% w/w	CAS No.
Sodium Nitrite	10 - 15	7632-00-0
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.	> 80	Mixture

4. First-aid measures

Eye: 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.

Most important symptoms and effects, both acute and delayed

Eye: 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.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically.

5. Fire-fighting measures

Flammable class: Not Applicable - Water based product with no flashpoint.

Suitable 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 acrid 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

Precautions for safe 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.

Conditions for safe 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

Appropriate 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.

Individual protection measures, such as personal protective equipment

Eye / face protection: Avoid eye contact. Wear safety glasses or goggles

Skin protection - hand protection: Wear rubber, latex, or other chemical resistant gauntlet gloves.

Occupational hygiene 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

Appearance: clear, colorless liquid

Odor: none

pH: 9.5 to 10.5

Notes: as made

Freezing point: less than 32 deg F (0 deg C)

Initial boiling point and boiling range: greater than 212 deg F

Flash point: No flashpoint

Evaporation rate (n-butyl acetate = 1): Same as water (approximately)

Vapor pressure: Same as water (approximately)

Relative vapor density: Same as water (approximately)

Relative density: 1.055 to 1.065

Solubility: Complete in all proportions.

Percent volatiles: 78 - 82% (w/w)

VOC content: < 0.1

10. Stability and reactivity

Reactivity: Mild oxidizer

Dangerous polymerization: Will not occur

Possibility of hazardous reactions: None known or anticipated

Hazardous decomposition products: Oxides of carbon and nitrogen, organonitrogen 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 methods: 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

USA Department of Transport Regulations (DOT)

UN proper shipping name: NOT REGULATED

IMO / IMDG - International

UN proper shipping name: NOT REGULATED

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Acute health hazard (eye and skin irritation)

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.
Sodium Nitrite	10 - 15	7632-00-0

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	CERCLA rq
Sodium Nitrite	10 - 15	100

CERCLA rq: 1000 lbs (as supplied)

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
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 Address

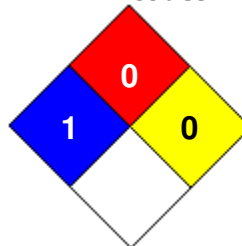
Approved by: H. Zeller

Prepared by: H Zeller **Date revised:** 07/17/2024

Revision summary: This SDS replaces the 02/15/2022 SDS. Revised: **Section 1:** Reason for issue. **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

HMIS rating

Health	<input type="checkbox"/>	1
Flammability	<input type="checkbox"/>	0
Physical hazard	<input type="checkbox"/>	0
Personal protection	<input checked="" type="checkbox"/>	X

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.