

SAFETY DATA SHEET



Date issued : 07/01/2022
SDS number : 8001
Date revised : 07/17/2024
Revision number : 2

VAPO-LOCK

1. Identification

Product identifier: VAPO-LOCK
Generic name: VAPO-LOCK
Relevant identified uses: LEL Reducer

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

Aspiration Hazard, Category 2
Eye Irritation, Category 2B
Skin Irritation, Category 2

Label elements

Irritating to eyes on contact. Prolonged or repeated contact may irritate skin. High concentrations of mist or spray may irritate eyes, nose, and throat.



Health
hazard



Eye/Skin/Respiratory
Irritant

Signal word: WARNING

Hazard statement(s)

H302: Harmful if swallowed.
H316: Causes mild skin irritation.
H320: Causes eye irritation.

Precautionary statement(s)

Prevention:

P264: Wash ... thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see ... on this label).
P330: Rinse mouth.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.

Response:

P391: Collect spillage.

Storage:

P404: Store in a closed container.

Hazards not otherwise classified: Same as water (approximately)

Emergency overview

Immediate concerns: Can cause severe irritation and burns to skin. Can cause severe irritation, burns, and damage to eyes. Mists and vapors can cause irritation to eyes, nose, throat, and respiratory tract. Ingestion can damage mouth,

throat, and other tissues and may be fatal. Vapors can cause nausea, dizziness, nausea, stupor, vomiting, headache, and/or irritation to nose, throat, and respiratory system.

Potential health effects

Eye: Contact may cause eye irritation.

Skin: Contact can cause irritation and redness.

Skin absorption: Not Established

Ingestion: Causes irritation and burns to mouth, throat, esophagus, and gastrointestinal system .May cause gastrointestinal discomfort, including nausea, vomiting, diarrhea, etc, and may be fatal.

Inhalation: Harmful if inhaled. Can cause severe irritation and damage to nose, throat, and upper respiratory tract. May cause lung damage

Reproductive toxicity

Teratogenic effects: None Expected.

Carcinogenicity: None Expected.

Mutagenicity: None Expected.

Medical conditions aggravated: Exposure may aggravate existing medical conditions.

Routes of entry: Skin, eyes, ingestion, inhalation

Target organ statement: Lungs, mucous membranes, respiratory tract, skin, eyes, and teeth

Cancer statement: None Expected.

Irritancy: Not determined

Sensitization: Not determined

Warning caution labels: Not determined

Comments health: No toxicity data available for product

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Nonylphenol (branched), Ethoxylated	8 - 16	127087-87-0
Alcohols, C11-15-secondary, Ethoxylated	6 - 12	68131-40-8
Ethanol, 2-amino-	10 - 20	141-43-5

4. First-aid measures

Eye: Gently hold eyelids open and immediately flush eyes with water for at least 15 minutes or until pain eases. Remove contact lenses if possible. Cover eyes loosely with sterile dressing and seek medical attention, especially if there are visible burns or damage to or around eyes.

Skin: Remove contaminated clothing and footwear. Flush off with copious amounts of running water. Seek medical attention for burns or if irritation persists or worsens.

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.

Inhalation: If affected by vapors, spray or mist, move to fresh air. Seek medical attention if symptoms persist or worsen. Give oxygen if breathing is difficult and seek prompt medical attention.

Most important symptoms and effects, both acute and delayed

Eye: Moderate irritation, stinging, burning, temporary blurring of vision

Skin: Causes irritation, sensitization, and allergic reactions, including rash, itching, tingling of hands and feet.

Skin absorption: Not determined

Ingestion: Causes irritation to mouth, throat, esophagus, and GI tract. Can cause gastrointestinal discomfort, including nausea, vomiting, and diarrhea. Aspiration of vomited material may cause damage to lungs and respiratory system and may be fatal.

Inhalation: Spray or mists can severely irritate eyes, nose, throat, and respiratory tract causing coughing, sneezing, difficulty breathing, etc. May also cause asthma-like symptoms, dizziness, chest pain, lightheadedness, and muscle pain and weakness.

Acute effects: None known.

Chronic effects: Not determined

5. Fire-fighting measures

Flammable class: Not Applicable. Flash point greater than 200 deg F.

General hazard: Not determined

Suitable extinguishing media: Not applicable - non-combustible water based product.

Hazardous combustion products: No data available.

Explosion hazards: No data available.

Fire fighting procedures: Wear self-contained breathing apparatus when fighting chemical fires. Use water fog or spray to cool intact containers.

Fire fighting equipment: Not determined

Fire explosion: None

Sensitivity to static discharge: None

Sensitivity to mechanical impact: None

Hazardous decomposition products: Ammonia

6. Accidental release measures

Small spill: Wear recommended PPE. Contain and absorb spilled material. Dispose of contaminated absorbant properly. Wash spill area with water.

Large spill: Wear appropriate PPE. Remove uninvolved personnel from and ventilate the area. Stop and contain flow and keep spilled material from entering sewer or surface waterways. Collect spilled material and store in suitable, properly labeled containers for use or disposal. Rinse spill area thoroughly with water or a dilute alkaline solution. Caution: Spill area may be slippery if residues are not removed.

Environmental precautions

Water spill: No toxicity data available for product

Land spill: No toxicity data available for product

Air spill: No toxicity data available for product

General procedures: Not determined

Special protective equipment: None

7. Handling and storage

General procedures: Same as water (approximately)

Precautions for safe handling: Avoid contact with eyes and prolonged contact with skin. Avoid inhalation of concentrated vapors. Read and understand product label and SDS before handling any chemical. Always wear recommended personal protective equipment. Follow label cautions and instructions.

Storage temperature: Keep from freezing. Minimum storage temperature - 40 deg F

Loading temperature: None

Loading/unloading viscosity: Same as water (approximately)

Storage pressure: Same as water (approximately)

Shelf life: Not Established

Special sensitivity: None

Electrostatic accumulation hazard: None

8. Exposure controls/personal protection

Exposure controls

Control parameters				
Chemical name	Occupational exposure limit values			
	Type		ppm	mg/m ³
Ethanol, 2-amino-	OSHA PEL	TWA	3	6
		TWA	3	7.5
	ACGIH TLV	STEL	6	15

Appropriate engineering controls: Maintain sufficient ventilation in storage and use areas to prevent the accumulation of product vapors, fumes, 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: Avoid prolonged or repeated contact. Wear rubber, latex, or other chemical resistant

gloves.

Respiratory protection: Use with adequate ventilation. Wear a NIOSH approved air purifying respirator where vapors, mists or spray are excessive or exceed exposure limits.

Skin protection - other: Wear chemically resistant full length apron and impermeable boots when handling.

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

Physical state: Same as water (approximately)

Appearance: clear, colorless to yellow liquid

Color: Same as water (approximately)

Odor: slight

Odor threshold: Not Established

pH: 11 to 12

Melting point: Not Applicable

Freezing point: approx. 32 deg F

Initial boiling point and boiling range: (210°F) to (215°F)

Flash point: greater than 200 deg F

Evaporation rate (n-butyl acetate = 1): Approx. same as water (initially)

Explosion limit / flammability limit notes: Not determined

Vapor pressure: Not determined

Relative vapor density: Not determined

Density: 8.4 - 8.6 lbs/gal

Relative density: 1.01 at 20°C (68°F)

Solubility: disperses/emulsifies

Auto-ignition temperature: Not determined

Viscosity: Same as water (approximately)

Pour point: Same as water (approximately)

Oxidizing properties: Not Applicable

Percent volatiles: 10 - 30%

VOC content: 8 to 12 percent (w/w)

10. Stability and reactivity

Reactivity: Not determined

Dangerous polymerization: None Expected.

Chemical stability: Stable under recommended storage conditions (discolors with age)

Conditions to avoid: Oxidizing materials.

Possibility of hazardous reactions: Not determined

Hazardous decomposition products: ammonia

Incompatible materials: Copper and alloys, strong acids, strong oxidizers

11. Toxicological information

Acute toxicity

Acute dermal toxicity LD₅₀: Not determined

Acute oral toxicity LD₅₀: Not determined

Acute inhalation toxicity LC₅₀: Not determined

Skin corrosion / irritation: irritating to skin

Serious eye damage / irritation: Eyes - Serious damage (rabbit)

Respiratory or skin sensitization: May cause allergic skin reaction (guinea pig; OECD Test Guideline 406)

Germ cell mutagenicity: Not determined

Carcinogenicity**IARC:** No**NTP:** No**OSHA:** No**Reproductive toxicity:** Not determined**Specific Target Organ Toxicity - single exposure:** Not determined**Specific Target Organ Toxicity - repeated exposure:** Not determined**Aspiration hazard:** May be fatal if swallowed and enter airways.**12. Ecological information****Ecotoxicological information:** Not determined**Aquatic toxicity, both acute and chronic:** Not determined**Bioaccumulative potential:** None Expected.**Environmental data:** Not determined**13. Disposal considerations****Disposal methods:** Not regulated as a hazardous material. Dispose in accordance with applicable local, state, and Federal regulations.**For large spills:** Not Established**Product disposal:** Product is biodegradable, but introduction into bio-oxidation treatment may cause a reduction in effectiveness until the system acclimates to the material.**Empty container:** Rinse container thoroughly with water and recycle. Empty containers may contain product vapors. Do not cut, saw or weld.**RCRA/EPA waste information:** Not regulated**14. Transport information****USA Department of Transport Regulations (DOT)****UN proper shipping name:** NOT REGULATED**15. Regulatory information****UNITED STATES****SARA Section 311/312 Hazard Categories****311/312 Health hazards:** Irritant (eye), Respiratory Tract Irritation, Skin Irritation**TSCA (The Toxic Substances Control Act)**

Chemical name	CAS No.
Nonylphenol (branched), Ethoxylated	127087-87-0
Alcohols, C11-15-secondary, Ethoxylated	68131-40-8
Ethanol, 2-amino-	141-43-5

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 07/01/2022 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

