SAFETY DATA SHEET

Date issued : 01/22/2017
SDS number : M-Pinge 99
Date revised : 07/17/2024
Revision number : 3

M-PINGE 99

1. Identification

Product code: 141435
Product identifier: M-PINGE 99
Relevant identified uses: Isocyanate Cleaner

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:

Acute Toxicity (Oral), Category 4
Acute Toxicity (Inhalation), Category 4
Acute Toxicity (Dermal), Category 4
Skin Corrosion, Category 1B
Serious Eye Damage, Category 1

Environmental hazards:

Chronic Hazards to the Aquatic Environment, Category 3
Acute Hazards to the Aquatic Environment, Category 3

Physical hazards:

Flammable Liquids, Category 4

Label elements


Severe Irritant/Corrosive


Irritant

Signal word: DANGER

Hazard statement(s)

H227: Combustible liquid.
H302 + H312 + H332: Harmful if swallowed, in contact with skin or if inhaled.
H314: Causes severe skin burns and eye damage.
H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

Supplemental label elements:

P102: Keep out of reach of children.
P103: Read carefully and follow all instructions.

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash ... thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363: Wash contaminated clothing before reuse.
P370+P378: In case of fire: Use ... to extinguish.

Storage:

80428HEF: Keep only in original container. Store in a well-ventilated place. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Potential health effects

Eye: Can cause serious eye irritation, burns, and damage

Skin: Prolonged contact may cause severe skin irritation and possible burns.

Ingestion: Causes severe irritation and possibly burns to mouth, throat, esophagus, and gastrointestinal system. May cause gastrointestinal disconfort, including nausea, vomiting, diarrhea, etc

Inhalation: Mists or sprays can be moderately to severely irritating to eyes and respiratory tract.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Alkanolamine	~ 99	Proprietary

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. 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). Rinse mouth with water. Do not induce vomiting unless instructed to do so by poison center or physician. Give patient water or milk unless unconscious or convulsing. Keep patient warm and comfortable. Treat for shock.

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: Severe irritation or pain, tearing, redness, loss of vision.May cause burns to and around eyes.

Skin: Prolonged exposure can cause moderate to severe irritation and possibly burns.

Ingestion: Causes severe irritation to mouth, throat, esophagus, and GI tract, and may cause burns . Can cause gastrointestinal discomfort, including nausea, vomiting, and diarrhea.

Inhalation: Spray or mists can severely irritate eyes, nose, throat, and respiratory tract causing coughing, sneezing, difficulty breathing, etc.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically. If burns are present, treat for thermal burns.

5. Fire-fighting measures

Flammable class: GHS Category - 4; US DOT - Combustible Liquid; OSHA - Combustible Liquid

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide

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. Vapors are heavier than air and can propagate to remote areas and be ignited.

Fire fighting procedures: Wear self-contained breathing apparatus when fighting chemical fires. Use water fog or spray to cool containers and/or disperse product vapors.

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. Stop flow. Ventilate the area and extinguish nearby sources of ignition. Remove

uninvolved personnel from area. Contain spill and keep from entering sewer or surface waterways. Collect spill into suitable, properly labeled containers for use or disposal. Wash spill area with water or detergent solution.

7. Handling and storage

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.

Conditions for safe storage: Store in original containers in a cool, well ventilated area away from heat, sparks, flame or other sources of ignition. Keep containers closed when not in use.Store separately from strong acids and oxidizing agents.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
	Occupational exposure limit values			
Chemical name	**Type**		**ppm**	**mg/m³**
Alkanolamine	**OSHA PEL**	**TWA**	3	6
	ACGIH TLV	**TWA**	3	7.5
		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: Wear safety glasses or goggles and face shield (recommended) when handling.

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

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

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 to yellow liquid

Odor: Ammonia-like

pH: 10.0 to 12.0

Notes: (5% in water)

Melting point: 10°C to 11°C

Initial boiling point and boiling range: 170°C (33.8°F)

Flash point: 86°C (187°F)

Evaporation rate (n-butyl acetate = 1): No data

Lower explosion limit / flammability limit: 2.5% (v/v)

Upper explosion limit / flammability limit: 17% (v/v)

Vapor pressure: 0.2 mm Hg (20 deg C)

Relative vapor density: 2.11 air = 1

Relative density: 1.012

Solubility: Complete in all proportions.

Percent volatiles: greater than 99%

VOC content: ~ 1

10. Stability and reactivity

Reactivity: Reacts with strong acids and oxidizing agents

Dangerous polymerization: Will not occur

Chemical stability: Stable

Possibility of hazardous reactions: Reacts vigorously with concentrated acids (generating heat and steam). May react vigorously with concentrated oxidizing agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, organonitrogen and hydrocarbon residues

Incompatible materials: Concentrated alkalies and oxidizing agents. Metals such as copper or brass.

11. Toxicological information

Acute toxicity

Acute dermal toxicity LD_{50}: 1015 mg/kg (rabbit)

Acute oral toxicity LD_{50}: 1720 mg/kg (rat)

Acute inhalation toxicity LC_{50}: No data

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

General comments: Exposure may cause liver irregularities based on human evidence.

12. Ecological information

Aquatic toxicity, both acute and chronic

96-hour LC_{50}: 227 mg/l (fathead minnow)

48-hour EC_{50}: 65 mg/l (daphnia)

Bioaccumulative potential: No data

13. Disposal considerations

Disposal methods: Ship to a solvent reclaimation facility or chemical incenerator. Liquid wastes cannot be landfilled. Follow all pertinent local, state, and Federal disposal regulations.

For large spills: See Section 6

Empty container: Triple rinse container thoroughly with water and recycle.

RCRA hazard class: Not known or defined as hazardous

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: UN2491, Ethanolamine, 8, PG III

IMO / IMDG - International

Technical name: ETHANOLAMINE

UN number: UN2491

Transport hazard class(es): 8

Packing group, if applicable: III

EmS: F-A, S-B

15. Regulatory information

UNITED STATES

Dot label symbol and hazard classification

Corrosive

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Acute health hazard (eye and skin irritation/corrosion), Reactivity, fire hazard

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
Alkanolamine	Proprietary

TSCA Status: All ingredients are included on the TSCA Inventory or are exempt

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

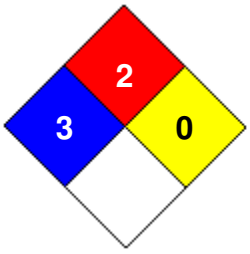
Prepared by: CSCC **Date revised:** 07/17/2024

Revision summary: This SDS replaces the 02/14/2022 SDS. Revised: **Section 1:** Reason for issue. **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

HMIS rating

Health	3
Flammability	2
Physical hazard	0
Personal protection	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 lt 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.