

SAFETY DATA SHEET



Date issued : 08/16/2016
SDS number : 5329
Date revised : 07/17/2024
Revision number : 4

FORMULA 2020

1. Identification

Product code: 5329
Product identifier: FORMULA 2020
Relevant identified uses: Solvent Degreaser

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:

Aspiration Hazard, Category 1
Eye Irritation, Category 2B
Skin Irritation, Category 2B

Physical hazards:

Flammable Liquids, Category 1

Label elements

FLAMMABLE LIQUID and VAPOR. Keep away from flame and other sources of ignition.

WARNING: Skin and eye irritant. Vapors may cause dizziness, drowsiness, CNS depression, and irritation to nose, throat, and respiratory system.



Irritant



Health hazard



Flammable Liquid

Signal word: DANGER

Hazard statement(s)

H320: Causes eye irritation.
H315: Causes skin irritation.
H302: Harmful if swallowed.
H332: Harmful if inhaled.
H225: Highly flammable liquid and vapour.

Precautionary statement(s)

Supplemental label elements:

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

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P270: Do not eat, drink or smoke when using this product.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P240: Ground and bond container and receiving equipment.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271: Use only outdoors or in a well-ventilated area.

Response:

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.

56838UN7: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of soap and water

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:

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.

Emergency overview

Immediate concerns: Vapors can cause nausea, dizziness, nausea, stupor, vomiting, headache, and/or irritation to nose, throat, and respiratory system. Causes irritation to eyes. Prolonged exposure may irritate skin.

Potential health effects

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

Skin: Prolonged or repeated exposure may cause dryness, defatting, redness, rash, irritation, sensitization and/or dermatitis.

Ingestion: May cause gastrointestinal discomfort, including nausea, vomiting, diarrhea, etc. Aspiration of vomited material may cause damage to lungs and chemical pneumonitis

Inhalation: Mists, sprays, or vapor can be irritating to eyes and respiratory tract. Vapors and mists can cause irritation, dizziness, drowsiness, headache, and other central nervous system depression

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Aliphatic hydrocarbon	< 90	Proprietary
2-hydroxyethanoic acid	< 15	Proprietary

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 or rash develops or persists or if symptoms of CNS depression develop or occur.

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. If breathing is difficult, give oxygen and get immediate medical attention.

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 or fatal if swallowed. Causes irritation to mouth, throat, esophagus, and GI tract. Can cause gastrointestinal discomfort, including nausea, vomiting, and diarrhea. Aspiration of vomited material can cause lung damage and pneumonia.

Inhalation: Vapors, spray or mists can irritate eyes, nose, throat, and respiratory tract. Vapors can cause dizziness, drowsiness, nausea, headache, drunkenness, vomiting, unconsciousness, and other anesthetic effects.

Indication of immediate medical attention and special treatment needed, if necessary: Treat symptomatically. Contains a hydrocarbon solvent. Aspiration of vomited material can cause lung damage and chemical pneumonia.

5. Fire-fighting measures

Flammable class: GHS Category - 2; OSHA, US DOT - Flammable liquid

Suitable extinguishing media: Use alcohol foam, carbon dioxide, or dry chemical when fighting fires involving this material. DO NOT USE water spray or stream (may cause fire to spread.)

Hazardous combustion products: Oxides of carbon and hydrocarbon residues.

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 or disperse vapors. Do not use water stream or spray to fight fires

6. Accidental release measures

Small spill: Wear recommended PPE. Ventilate the area and remove uninvolved personnel. Extinguish nearby sources of ignition. Contain and absorb spilled material. Dispose of contaminated absorbant properly. Wash spill area with soap and 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. Read and understand label and SDS before handling any chemical. Use only in well ventilated areas away from ignition sources. Ground and bond containers when pouring or transferring to another container. Open drums slowly to release accumulated pressure.

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 tightly closed when not in use.

8. Exposure controls/personal protection

Exposure controls

Chemical name	Control parameters			
	Occupational exposure limit values			
	Type		ppm	mg/m ³
Aliphatic hydrocarbon	ACGIH, NIOSH	TWA	50	
	OSHA PEL	TWA	500	
2-hydroxyethanoic acid	OSHA PEL	TWA	400	980
	ACGIH TLV	TWA	200	490
		STEL		400

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: Wear rubber, latex, or other chemical resistant gauntlet 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.

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: mild hydrocarbon odor

pH: Not Applicable

Freezing point: No data

Initial boiling point and boiling range: approx. 210 deg F

Flash point: ~ (25°F)

Evaporation rate (n-butyl acetate = 1): approx. 4 (n-butyl acetate = 1)

Lower explosion limit / flammability limit: Approx. 1.0% (aliphatic hydrocarbon)

Upper explosion limit / flammability limit: Approx. 6.7% (aliphatic hydrocarbon)

Vapor pressure: approx. 33.5 mm Hg

Relative vapor density: ~ 3.5 air = 1

Relative density: 0.67 to 0.69 at 25°C

Solubility: negligible

Percent volatiles: 100

VOC content: 1 percent

10. Stability and reactivity

Reactivity: Yes

Dangerous polymerization: No

Hazardous decomposition products: Oxides of carbon and hydrocarbon residues, acrid fumes

Incompatible materials: oxidizing agents.

11. Toxicological information

Acute toxicity

Notes: No toxicity data available for product

12. Ecological information

Environmental data: No data

13. Disposal considerations

Disposal methods: Ship to a solvent reclamation facility or chemical incinerator. Liquid wastes cannot be landfilled. Unused product is classified as a hazardous waste. Follow all pertinent local, state, and Federal disposal regulations.

For large spills: See Section 6

Empty container: Empty containers may contain product vapors. Do not cut, weld, burn, or grind. Return empty containers for recycling.

RCRA/EPA waste information: Unused or undiluted product would constitute an RCRA regulated hazardous waste due to Ignitability (Hazardous Waste Code: D001; Flashpoint less than 140 deg F)

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: UN1993, Flammable Liquid, n.o.s. (contains petroleum distillates), 3, II

IMO / IMDG - International

UN proper shipping name: HEPTANES, SOLUTION, N.O.S. (CONTAINS ISOPROPANOL), 3, II

15. Regulatory information

UNITED STATES

Dot label symbol and hazard classification



Flammable
Liquid

SARA Section 311/312 Hazard Categories

311/312 Health hazards: Flammable liquid and vapor; Acute health hazard (eye and skin irritation); Acute inhalation hazard

EPCRA Section 313 Toxic Chemicals

Chemical name	% w/w	CAS No.
2-hydroxyethanoic acid	< 15	Proprietary

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
Aliphatic hydrocarbon	Proprietary
2-hydroxyethanoic acid	Proprietary

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

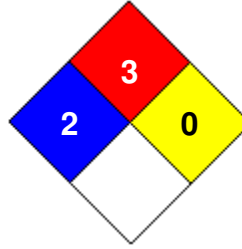
Prepared by: CSCC **Date revised:** 07/17/2024

Revision summary: This SDS replaces the 02/11/2022 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"/>	2
Flammability		3
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 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.