



Date Prepared: 5/13/2025

SAFETY DATA SHEET

1. Product And Company Identification

Product Name: Hexafectant

Manufacturer: Heartland Energy Group, Ltd
626 NW Valley Ridge Court
Grain Valley, MO 64029 U.S.A

Information Phone Number: 1-877-797-2811 (Customer Service)

Chemical Emergency Phone Number (Chemical Spills, Leaks, Fire, Exposure or Accident only):
Call CHEMTREC at 1-800-424-9300

SDS Date Of Preparation/Revision: 11/1/24

Product Use: Hard surface cleaner, sanitizer, and disinfectant.

EPA Registration No: 82859-2-104424

EPA Est No.: 82859-FL-1

2. Hazards Identification

Clear liquid with slightly fragrant odor.

EMERGENCY OVERVIEW

EPA does not require any hazard warning on Hexafecatnt for humans or domestic animals. May cause mild eye irritation if liquid makes direct contact with the eye. Not known to cause skin irritation, but may cause mild skin irritation in susceptible individuals with sensitive skin. Does not volatilize. Inhalation not expected. If liquid inhaled directly into lungs, may cause slight irritation. May cause slight discomfort if ingested orally.

3. Composition/Information On Ingredients

Component	CAS No.	Amount
1,2-Hexanediol	6920-22-5	3.00 to 4.25%
Ethylenediaminetetraacetic acid	6381-92-6	1.5 to 2.0%
Sodium dodecyl sulfate	151-21-3	0.1 to 0.2%
Carvacrol	499-75-2	0.1 to 0.2%
Water	7732-18-5	90-95%

4. First Aid Measures

Inhalation: Move to fresh air if effects occur and seek medical attention if effects persist.

Skin Contact: Remove contaminated clothing. Rinse skin immediately with plenty of water for 5 minutes. Call a poison control center or physician for further treatment advice if any symptoms develop.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or physician for further treatment advice.

Ingestion: If swallowed, get medical advice by calling a Poison Control Center or hospital emergency room. If advice is not available, take victim and product container to the nearest emergency treatment center or hospital. Do not attempt to give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Suitable extinguishing media: Gilla is not flammable. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Hazardous combustion products: Hazardous decomposition products formed under fire conditions – carbon oxides.

6: Accidental Release Measures

Personal precautions: Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions: Avoid product entering drains.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Normal measures for preventive fire protection.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Containers that are opened must be resealed carefully and kept upright to prevent leakage.

8. Exposure Controls / Personal Protection

Contains no substances with occupational exposure limit values.

Personal protective equipment during manufacture and handling of raw materials

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

The product is largely aqueous and not a skin irritant in animal testing. To avoid contact, handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the substance at the specific workplace. The product is largely aqueous and not a skin irritant in animal testing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties
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Appearance

Form	liquid
Color	clear

Safety data

pH	6.5 to 8.0
Melting point/freezing point	no data available
Boiling point	largely aqueous solution – no data available
Flash point	largely aqueous solution – contains no functional groups that would confer explosive potential
Ignition temperature	no data available
Auto-ignition temperature	no data available
Lower explosion limit	largely aqueous solution – contains no functional groups that would confer explosive potential available
Upper explosion limit	no data available
Density	1.008 g/ml at 25 °C (77 °F)

10. Stability and Reactivity

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Materials to avoid

No data available

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions – carbon oxides
Other decomposition products – no data available.

11. Toxicological Information

Acute toxicity

Oral LD50: In rats, the LD50 is greater than 5,000 mg/kg.

Inhalation LC50: In rats, the LC50 is greater than 5.05 mg/L of air.

Dermal LD50: In rats, the derma LD50 is greater than 5,000 mg/kg.

Other information on acute toxicity: The product is EPA Category IV for oral, dermal, inhalation, and oral ingestion routes of exposure and is not a dermal sensitizer.

Skin corrosion/irritation: The product demonstrated no skin irritation in rats when studied according to the EPA primary eye irritation study.

Serious eye damage/eye irritation: The product demonstrated no eye irritation in rabbits when studied according to the EPA primary eye irritation study.

Respiratory or skin sensitization: The product is not a dermal sensitizer.

Germ cell mutagenicity: No data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Teratogenicity: No data available

Specific target organ toxicity – single exposure (Globally Harmonized System): Inhalation - May cause respiratory irritation.

Specific target organ toxicity – repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: No data available

Potential health effects

Inhalation	May be harmful if directly inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May cause skin irritation in susceptible individuals with sensitive skin.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated in human. Available animal data is summarized above.

12. Ecological Information

Toxicity: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

PBT and vPvB assessment: No data available

Other adverse effects: No data available

13. Disposal Considerations

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. Transport Information

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

15. Regulatory Information

OSHA Hazards: No known OSHA hazards

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA hazards

Massachusetts Right To Know Components

Ethylenediaminetetraacetic acid, CAS-No. 60-00-4

Pennsylvania Right To Know Components

1,2- Hexanediol, CAS-No. 6920-5

Sodium dodecyl sulfate, CAS-No. 151-21-3

Carvacrol, CAS-No. 499-75-2

Ethylenediaminetetraacetic acid, CAS-No. 60-00-4

New Jersey Right To Know Components

1,2-Hexanediol, CAS-No. 6920-22-5

Sodium dodecyl sulfate, CAS-No. 151-21-3

Carvacrol, CAS-No. 499-75-2

Ethylenediaminetetraacetic acid, CAS-No. 60-00-4

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of knowledge of Heartland Energy Group, Ltd and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Heartland Energy Group, Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.