ClearKill
Safety Data Sheet

Issue Date: 09-Mar-2021 **Revision Date:** 09-Mar-2021 **Version:** 1

1. IDENTIFICATION

GHS Product Identifier

Product Name ClearKill
Product Type Liquid Biocides

Other means of identification

SDS # BELL-2021

Relevant identified uses of the substance or mixture and uses advised against

Industrial microbiocide for use in fuels. Read and understand the entire label before using. Use only according to label directions. It is a violation of Federal law to use this product in a manner inconsistent to label directions.

Details of the supplier of the safety data sheet

Supplier Address
Bell Performance Inc
1340 Bennett Drive
Longwood, FL 32750

Emergency Telephone Number

Company Phone Number 407-831-5021
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America) CONTRACT #:106344

2. HAZARDS IDENTIFICATION

GHS Classification

Physical:	Health:
Not Hazardous	Acute Oral Toxicity Category 4 Acute Dermal Toxicity Category 4 Acute Inhalation Toxicity Category 4 Eye Damage Category 1 Skin Corrosion Category 1C Skin Sensitizer Category 1A Specific Target Organ Toxicity –Repeated Exposure Category 2

GHS Label Elements

DANGER!

Statements of Hazard
Harmful if swallowed.
Harmful in contact with skin.
Harmful if inhaled.
May cause an allergic skin reaction.
Causes severe skin burns and eye damage.
May cause damage to gastrointestinal tract and respiratory tract through prolonged or repeated exposure by ingestion or inhalation.

Prevention
Do not breathe mist or vapors.

Use only outdoors or in a well-ventilated area.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves, protective clothing, eye protection, and face protection.

Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
Immediately call a POISON CENTER or doctor.
Wash contaminated clothing before reuse.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Immediately call a POISON CENTER or doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor.
Get medical advice if you feel unwell.

Storage
Store locked up.

Disposal
Dispose of contents and container in accordance with local, regional, and national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
N,N'-Methylenebis (5-methyloxazolidin)	66204-44-2	90.9%

The exact percentage is a trade secret.

4. FIRST-AID MEASURES

Eye: Immediately flush eyes thoroughly with large quantities of water for 20 minutes, while holding the eye lids open to be sure the material is washed out. Remove contact lenses if present and easy to do. Get immediate medical attention.

Skin: Immediately flush skin with plenty of water for 15 minutes while removing contaminated clothing and shoes. Get immediate medical attention. Launder clothing before re-use. (Discard contaminated shoes).

Ingestion: Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Keep the victim calm and warm. Get immediate medical attention.

Inhalation: Immediately remove victim to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

Most Important Symptoms: Causes severe eye and skin irritation and burns. May cause skin sensitization. Inhalation of mists or vapors may cause severe irritation or burns to respiratory tract. Swallowing may cause severe irritation and burns to the mouth, throat, and gastrointestinal tract. Harmful in contact with skin, if swallowed, or if inhaled. Prolonged or repeated exposure by ingestion or inhalation may damage the gastrointestinal tract and respiratory tract. This product releases formaldehyde as it degrades. Inhalation of formaldehyde may cause additional long term effects such as cancer. The risk of cancer depends on duration and level of exposure.

Indication of immediate medical attention/special treatment: Immediate medical attention is required for all routes of contact.

5. FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use any media that is suitable for the surrounding fire.

Specific hazards arising from the chemical: This product is not considered flammable but will burn at high temperatures. Thermal decomposition may produce oxides of carbon and nitrogen, and formaldehyde.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water spray.
Do not allow run-off from firefighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: Evacuate spill area and keep unprotected personnel away. Prevent contact with the eyes, skin and clothing. Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed. Do not breathe mists or vapors. Ventilate area.

Methods and Materials for Containment and Cleaning Up: Small releases can be cleaned up using a standard absorbent (i.e. polypads, vermiculite, dry sand). Evacuate immediate area of spill or leak. Place leaking container in well-ventilated area. Identify all sources of ignition before clean-up procedures begin. Wear longsleeved shirt and long pants or chemical resistant suit, socks, chemical resistant gloves (such as nitrile or butyl), and protective eyewear. Use a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C), or a canister approved for pesticides (NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter for entry into affected area. Work upwind if possible. Allow spilled material to evaporate, or absorb onto absorbent material. Neutralize residue with citric acid or other organic neutralizing agent for bases. Test area with litmus paper to ensure neutralization is complete. Thoroughly aerate absorbent materials outdoors prior to disposing on site or at an approved disposal facility. Avoid run-off to storm sewers and ditches leading to natural waterways. Do not allow unprotected persons to enter spill area or clean up area without a respirator until formaldehyde (active constituent of product) levels are determined to be below 0.75 ppm as determined by an OSHA approved method used in accordance with the manufacturer‘s instructions.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Prevent contact with the eyes, skin and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material. Wash thoroughly after handling. Do not breathe mists or vapors. Use only with adequate ventilation. Do not eat, drink or smoke in the work area. Keep containers closed when not in use. Refer product label for additional information on use and handling.

Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If partly-filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Conditions for Safe Storage, Including Any Incompatibilities: Store in locked/secured area. Containers should be kept in a cool, dry location away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from oxidizers and other incompatible materials. Store in original container. Keep container closed to prevent spills and contamination. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

N,N'-Methylenebis (5-methyloxazolidin)	None Established
Formaldehyde (degradation product)	0.1 ppm TWA, 0.3 ppm STEL ACGIH TLV 0.75 ppm TWA, 2 ppm STEL OSHA PEL (see 29 CFR 1910.1048(c))

Engineering Controls: Use with adequate local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Personal Protective Equipment: Refer to the product label for additional requirements.

Respiratory Protection: For closed loading systems that are engineered to eliminate contact with aerosols and vapors, workers must have access to a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C) or a canister approved for pesticides (NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Impervious gloves, such as nitrile or butyl, are required for all operations where skin contact can occur.

Eye Protection: Chemical safety goggles and face shield are recommended when using this product.

Other: Impervious clothing is required to prevent skin contact and contamination of personal clothing. An eye wash facility and safety shower should be available in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Colorless to light yellow liquid with an amine-like odor.	**Odor Threshold:** Not determined.
Physical State: Liquid	**Initial Boiling Point/Range:** 204°C (399°F)
Vapor Density: Not Determined	**Vapor Pressure:** 0.014 mbar
Solubility in Water: Soluble	**Evaporation Rate:** Not Determined
Relative Density: 1.049 g/cm3 at 20°C (68°F)	**pH:** 10 at 20°C (68°F) (1.5 g/L water)
Melting/Freezing Point: <-40°C (<-40°F)	**Octanol/Water Coefficient:** -0.3
VOC Content: Not Determined	**Decomposition Temperature:** Not determined
Viscosity: 21 mPa·S at 20°C (68°F)	**Flammability (solid, gas):** Not applicable
Flashpoint: >100°C (>212°F)	**Autoignition Temperature:** Not autoflammable (study is available/has been made)
Flammable Limits: LEL: Not applicable **UEL:** Not applicable	**Oxidizing Properties:** The substance or mixture is not classified as oxidizing
Explosive Properties: Not explosive	**Refractive Index:** 1.469-1.479 at 20°C (68°F)
Self-Ignition: Not auto-flammable	

10. STABILITY AND REACTIVITY

Reactivity: Not normally reactive.
Chemical Stability: Stable under normal storage and handling conditions. N,N'-Methylenebis (5-methyloxazolidin) hydrolyzes rapidly to formaldehyde.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur. Do not mix with strong inorganic acids as this will lead to excessive release of formaldehyde. Reactions may cause rapid increase of temperature.
Conditions to Avoid: Avoid excessive heat and ignition sources. Avoid freezing temperatures.
Incompatible Materials: Avoid strong oxidizing agents and acids.
Hazardous Decomposition Products: Thermal decomposition yields oxides of carbon and nitrogen, and formaldehyde.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:
Eye: May cause severe eye irritation and burns with pain, tearing, and redness. May cause permanent eye damage, vision impairment, and blurred vision.

Skin: May cause severe skin irritation and burns with redness, ulceration, pain, dermatitis, and scarring.

Ingestion: Swallowing may cause severe digestive tract irritation or burns to the mucous membranes, esophagus and stomach with shock and possible perforation and peritonitis.

Inhalation: Inhalation of mists or vapors may cause severe irritation and burns of the nose, throat and upper respiratory tract.

Chronic: Prolonged ingestion or inhalation may damage the gastrointestinal tract and respiratory tract.

Sensitization: N,N'-Methylenebis (5-methyloxazolidin) is expected to be a strong skin sensitizer based on a guinea pig maximization test.

Carcinogenicity: N,N'-Methylenebis (5-methyloxazolidin) is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, and OSHA. However, in contact with water N,N'-Methylenebis (5-methyloxazolidin) can release Formaldehyde. Formaldehyde is listed as Carcinogenic to Humans (Group 1) by IARC, a Carcinogen Category 1B by the CLP, Carcinogen by OSHA, and as a Known to Be a Human Carcinogen by NTP.

Germ Cell Mutagenicity: N,N'-Methylenebis (5-methyloxazolidin): In an in-vitro mammalian cytogenetics study conducted using mouse lymphoma cells, there was evidence of induced mutant colonies in the presence and in the absences of S9 activation. Mutagenicity is due to hydrolysis to formaldehyde.

Reproductive Toxicity: In a developmental study conducted in Himalayan rabbits, the maternal and developmental NOAEL was 90 mg/kg and the LOAEL for both developmental and maternal toxicity was 135 mg/kg/day. There was no indication of increased susceptibility of offspring to the toxic effects of this product.

Numerical Measures of Toxicity:
N,N'-Methylenebis (5-methyloxazolidin):
Oral rat LD50- 632 mg/kg,
Dermal rat LD50- 1398.99 mg/kg,
Inhalation rat LC50- 2 mg/L/4hr

12. ECOLOGICAL INFORMATION

Ecotoxicity:
N,N'-Methylenebis (5-methyloxazolidin): LC50 Zebra fish- 57.57 mg/L/96hr, EC50 Daphnia magna- 37.84 mg/L/48hr,
EC50 Daphnia magna- 29 mg/L/48hr, EC50 Desmodesmus subspicatus-5.7 mg/L/72hr (growth rate),
NOEC Daphnia magna- 1.3 mg/L/21 days.

Persistence and Degradability: N,N'-Methylenebis (5-methyloxazolidin) is readily biodegradable in water-89.8% in 29 days.

Bioaccumulative Potential: Log Pow = -0.3.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

13. DISPOSAL CONSIDERATIONS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency, or Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

14. TRANSPORT INFORMATION

DOT Hazardous Materials Description:
Proper Shipping Name: Amines, Liquid, Corrosive, n.o.s. (N,N'-Methylenebis (5-methyloxazolidin))
UN Number: UN2735
Hazard Class/Packing Group:8, III
Labels Required: Class 8, Corrosive

IMDG Shipping Name: Amines, Liquid, Corrosive, n.o.s. (N,N'-Methylenebis (5-methyloxazolidin))
IMDG Hazard Class: 8, III
UN Number: UN2735
IMDG Hazard Labels Required: Class 8, Corrosive

IATA Shipping Name: Amines, Liquid, Corrosive, n.o.s. (N,N'-Methylenebis (5-methyloxazolidin))
IATA Hazard Class: 8, III
UN Number: UN2735
IATA Hazard Labels Required: Class 8, Corrosive

15. REGULATORY INFORMATION

Safety, Health, and Environmental Regulations Specific for the Product In Question:
This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

FIFRA Labeling:

Keep Out Of Reach of Children
DANGER
PRECAUTIONARY STATEMENTS
Hazards to Humans & Domestic Animals

Danger. Corrosive. Causes skin burns. Causes irreversible eye damage. Harmful if swallowed. Do not breathe vapors. Do not get in eyes, on skin, or on clothing. Wear long-sleeved shirt and long pants, socks, chemical resistant gloves (such as nitrile or butyl), and protective eyewear. For closed loading systems that are engineered to eliminate contact with aerosols and vapors, workers must have access to a respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (NIOSH approval number prefix TC-23C) or a canister approved for pesticides (NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Keep container closed when not in use. Use with adequate ventilation.

Chemical hazards: Do not mix with strong inorganic acids as this will lead to an excessive release of formaldehyde. Reaction may cause rapid increase of temperature.

15. REGULATORY INFORMATION (CONT.)

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Hazard Category for Section 311/312: Refer to Section 2 for the OSHA Hazard Classification.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

California Proposition 65:

⚠ **WARNING:** This product can expose you to chemicals including Formaldehyde, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

EPA Toxic Substances Control Act (TSCA) Status: This product is a EPA Registered product #95475-2.
This product is listed on the TSCA Inventory and is subject to the requirements of a Significant New Use Rule (SNUR).

16. OTHER INFORMATION

History
Date of Printing: 09-Mar-2021
Date of Issue/Date of Revision: 09-Mar-2021
Date of Previous Issue: n/a
Version 1
Prepared By Bell Performance

Disclaimer
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Bell Performance, Inc. warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use outside of such directions.

Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be in a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort.

Any controversy or claim arising out or relating to this contract, or breach thereof, shall be settle by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgment upon the rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

END OF SAFETY DATA SHEET