SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Instant Kleen Germ. Cleaner
PRODUCT CODE: 120220
RECOMMENDED USE: Foaming Germicidal Cleaner
RESTRICTIONS ON USE: None known.
COMPANY NAME: Beaver Research Company
COMPANY ADDRESS: 3700 E. Kilgore Rd., Portage, MI 49002
COMPANY PHONE: 800-544-0133 WWW.BEAVERRESEARCH.COM
EMERGENCY PHONE: INFOTRAC (24 hrs) 1-352-323-3500 (International), 1-800-535-5053 (North America)

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol: Category 2
Gases Under Pressure: Liquefied Gas
HAZARD STATEMENT(S): WARNING: Flammable aerosol. Contains gas under pressure; may explode if heated.
This product contains the following percentage of chemicals of unknown toxicity**:** N/A
PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.
SYMBOL:

HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
n-Butane	106-97-8	1-5%
Propane	74-98-6	1-5%

SECTION IV - FIRST AID MEASURES

EYES: Immediately flush with water for 15 minutes while holding eyelids open. Seek medical attention if irritation develops.
INGESTION: Do not induce vomiting unless directed by medical authority. Immediately rinse mouth with water. Drink large quantities (1 qt, 2-4 glasses) of warm water. Seek immediate medical attention.
INHALATION: Move to fresh air. If breathing is difficult or unconscious, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.
SKIN: Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops.
ACUTE HEALTH HAZARDS: Prolonged contact with skin may cause irritation. Contact with eyes may cause irritation, redness, tearing. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
CHRONIC HEALTH HAZARDS: Prolonged inhalation may be harmful.
NOTE TO PHYSICIAN: Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water spray for cooling.
UNSUITABLE EXTINGUISHING MEDIA: N/A
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Shut off all sources of

ignition. Use water spray to disperse vapor and cool fire exposed containers. Prevent run off from entering streams, sewers, or drinking water supply.

UNUSUAL FIRE AND EXPLOSION HAZARDS: FLAMMABLE. Keep away from sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Eliminate all sources of ignition. Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal.

WASTE DISPOSAL: Do not puncture or incinerate! **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call you local solid waste agency or 1-800-CLEANUP for disposal instructions.

RCRA STATUS: Product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid contact with skin, eyes and clothing. Store in a cool, dry area. Do not use or store with strong oxidizers. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use.

OTHER PRECAUTIONS: Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

INCOMPATIBILITY: Strong acids, strong alkalis, strong oxidizing agents.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
n-Butane	Not Established	1000 ppm
Propane	1000 ppm	1000 ppm

ENGINEERING CONTROLS / VENTILATION: General ventilation and local exhaust recommended.

RESPIRATORY PROTECTION: Not required with normal use. Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles.

ADDITIONAL MEASURES: Wash hands thoroughly after handling.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White Foam

ODOR: Citrus scent, moderate ammonia odor

ODOR THRESHOLD: N/D

pH: 11.3 - 11.7

MELTING POINT/FREEZING POINT: < 32 °F (0 °C)

INITIAL BOILING POINT AND BOILING RANGE: > 212 °F (100 °C)

FLASH POINT: > 130 °F (54 °C)

EVAPORATION RATE: Slow

FLAMMABILITY(solid/gas): Flammable Aerosol

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

EXPLOSIVE LIMIT LOWER (%): N/D

EXPLOISVE LIMIT UPPER (%): N/D

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR=1): N/D

RELATIVE DENSITY (H2O=1): 0.99 - 1.01 @ 77 °F (25 °C)

SOLUBILITY(IES): 100% water.

PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D

AUTOIGNITION TEMPERATURE: N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: None known.
CHEMICAL STABILITY: Stable.
POSSIBLE HAZARDOUS REACTIONS: None known.
CONDITIONS TO AVOID: Temperatures greater than 122 °F and sources of ignition. Avoid incompatibles.
INCOMPATIBLE MATERIALS: Strong acids, strong alkalis, strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: **n-Butane** (106-97-8): LC_{50} (Inhalation, Rat, 4h) 30957 mg/m^3. **Propane** (74-98-6): LC_{50} (Inhalation, Rat, 4h) 658 mg/L.
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Not classified for eye corrosion or irritation based on product testing results. May cause irritation.
INGESTION: Not classified for acute oral toxicity based on product testing results. May cause gastrointestinal irritation, abdominal cramps.
INHALATION: May cause respiratory tract irritation. Avoid breathing spray mist.
SKIN: Not classified for acute dermal toxicity based on product testing results. Not classified for skin corrosion or irritation based on product testing results. Not classified for skin sensitization based on product testing results. May cause irritation, dryness, redness with prolonged or repeated contact.
MEDICAL CONDITION AGGRAVATED: None known.
ACUTE HEALTH HAZARDS: Prolonged contact with skin may cause irritation. Contact with eyes may cause irritation, redness, tearing. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
CHRONIC HEALTH HAZARDS: Prolonged inhalation may be harmful.
CARCINOGENICITY: **OSHA:** No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** N/A

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Avoid release to the environment. **Potassium hydroxide** (1310-58-3): LC_{50} (*Gambusia affinis*, 96h) 80 mg/L.
PERSISTENCE AND DEGRADABILITY: Component or components of this product are not biodegradable.
BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.
MOBILITY IN SOIL: This product is mobile in soil.
OTHER ADVERSE EFFECTS: None known.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Do not puncture or incinerate! **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call you local solid waste agency or 1-800-CLEANUP for disposal instructions.
RCRA STATUS: Product should be fully characterized prior to disposal (40 CFR 261).

SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN1950
PACKING GROUP: N/A

AIR SHIPMENT
PROPER SHIPPING NAME: Aerosols, flammable.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN1950
PACKING GROUP: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Aerosols.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN1950
PACKING GROUP: N/A
ENVIRONMENTAL HAZARDS WATER: N/A

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Ethylenediaminetetraacetic acid (EDTA) (60-00-4) Reportable Quantity = 5000 pounds. **Potassium hydroxide** (1310-58-3) Reportable Quantity = 1,000 pounds. **Sodium nitrite** (7632-00-0) Reportable Quantity = 100 pounds. **Ammonium hydroxide** (1336-21-6) Reportable Quantity = 1,000 pounds.

SARA 311/312 HAZARD CATEGORIES: Flammable (gases, aerosols, liquids, solids). Gas under pressure.

SARA 313 REPORTABLE INGREDIENTS: This product 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.

CLEAN WATER ACT: Ethylenediaminetetraacetic acid (EDTA) (60-00-4) is a hazardous substance.

STATE REGULATIONS: California Proposition 65: This product contains no known chemicals regulated by California Proposition 65. **2-Butoxyethanol** (111-76-2): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, PA, RI. **Isopropyl alcohol** (67-63-0): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CT, FL, IL, MA, MN, NJ, PA, RI, TN. **Ethylenediaminetetraacetic acid (EDTA)** (60-00-4): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, PA. **Potassium hydroxide** (1310-58-3): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, IL, LA, MA, MN, NJ, NY, PA, RI. **Sodium nitrite** (7632-00-0): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, NJ, PA.

INTERNATIONAL REGULATIONS: No information available.

VOLATILE ORGANIC COMPOUNDS (VOC): 16%

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: CAUTION: Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Harmful if swallowed or absorbed through skin. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Contents under pressure. Do not use or store near heat or open flame. Exposure to temperatures above 130 °F may cause bursting. Never throw container into fire or incinerator.

EPA Reg. No. 44446-23

NFPA HEALTH:	1	**HMIS HEALTH:**	1
NFPA FLAMMABILITY:	1	**HMIS FLAMMABILITY:**	0
NFPA REACTIVITY:	1	**HMIS REACTIVITY:**	1
NFPA OTHER:	None	**HMIS PROTECTION:**	A

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Roberto Cerón
DATE PREPARED: 12/04/2013
REVISION DATE: 02/09/2022

N/A = Not Applicable; N/D = Not Determined

DISCLAIMER: To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability 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 hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.