

MATERIAL SAFETY DATA SHEET *Complies with OSHA's Hazard Communication Standard (29 CFR 1910.1200)*

INFORMATION TELEPHONE NUMBER: 913-621-6542 (M-F 8 am to 5 pm, CST) **Chemical Emergency: INFOTRAC 800-535-5053**

PRODUCT NAME **CitraCen Disinfectant Spray** REFERENCE: EPA REG. NO 211-32 ITEM NO: PHEN18539

DESCRIPTION: Alcohol based disinfectant deodorant.

MANUFACTURER'S INFORMATION DATE PREPARED: **August 29, 2005** SIGNATURES (Optional)

Central Solutions, Inc.
401 Funston Rd., P.O. Box 15276
Kansas City, KS 66115

PREPARED By: Gary W. Helton, Environmental Health Specialist
REVIEWED By: Terry Hall, Technical Director

HMIS RATING RTU Aerosol HEALTH 2 REACTIVITY 0 FLAMMABILITY 3 PERSONAL A

HAZARD RATINGS: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme A = Safety Glasses B = Safety Glasses & Gloves

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity)	CAS #	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
‡ Ethanol	64-17-5	1000 ppm	1000 ppm		>60.00 %
‡* Orthophenylphenol	90-43-7	n/e	n/e		< 1.0%
Isobutane	75-28-5	800 ppm	800 ppm		1 - 5 %
Propane	74-98-6	1000 ppm	Asphyxiant		10 - 30 %

Contains the above reportable hazardous ingredients as defined by:
OSHA's Hazard Communication Standard; as listed as CERCLA Hazardous Substances; or in SARA Title III Section 313 (Toxic Release Chemicals) or Section 302 (Extremely Hazardous Substances).
‡ Germicidal Actives * SARA Title III Section 313 Reportable N/A = Not Applicable N/E = Not Established N/D = Not Determined N/L Not Listed

SECTION 3 - HAZARDS IDENTIFICATION (Potential Health Effects)

POSSIBLE ROUTES OF ENTRY INTO THE BODY: Eyes · Skin · Ingestion · Inhalation
HEALTH HAZARDS: Will cause eye irritation upon exposure and skin irritation with prolonged exposure. Can be harmful if swallowed or if spray mist is inhaled.
SIGNS AND SYMPTOMS OF EXPOSURE: **If in eyes:** Burning sensation, watering, or redness. **If on skin:** Redness, irritation, or burning sensation with prolonged exposure.
If spray mist is inhaled: Coughing, stupor, drowsiness or loss of consciousness with prolonged breathing of vapors. **If swallowed:** Possible gastrointestinal irritation or disturbance.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.
CARCINOGENICITY: NO ingredients listed as carcinogens by the NTP (National Toxicology Program) or the IARC (International Agency for Research on Cancer) or regulated by OSHA.

SECTION 4 - FIRST AID MEASURES

If in eyes: Flush with water for 15 minutes. **If on skin:** Wash liberally with soap and water. **If on clothes:** Wash before reuse. **If spray mist is inhaled:** Remove to fresh air.
If swallowed: If patient is conscious and alert, dilute by drinking large quantities of water. Do not induce vomiting without medical advice.
Always get medical attention when product is swallowed or when symptoms are significant or persist.

SECTION 5 - FIRE FIGHTING MEASURES

USA FLAME PROJECTION TEST (ASTM D-3065): **FLAMMABLE** Flammable Limits: LEL: N/D UEL: N/D
EXTINGUISHING MEDIA: Foam, carbon dioxide, or dry chemical
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to keep exposed containers cool to prevent bursting.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Aerosol containers may burst if heated over 130°F

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SMALL SPILLS: Small spills (one can leaking or damaged) may be contained and left to evaporate. Note: Dilution with water will raise the flash point.
LARGE SPILLS: Large spills (many cans damaged) should be contained and collected (by absorption) then evaporated or disposed of properly.

SECTION 7 - HANDLING & STORAGE

HANDLING: Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean and closed.
STORAGE: KEEP OUT OF REACH OF CHILDREN. Do not store near ignition sources or at temperatures above 120°F.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical Ventilation (General): Normally Sufficient Local Exhaust: May be needed if left in open tank while processing.
RESPIRATORY PROTECTION: General ventilation is normally adequate. Use in areas with adequate ventilation. Use an approved vapor respirator in tight or close areas.
SKIN PROTECTION: Gloves required for exposure while manufacturing. Persons sensitive to alcohol should always wear gloves.
EYE PROTECTION: USE Safety Glasses when splashing or spraying of the product into the eyes is likely or possible.
WORK/HYGIENE PRACTICES: Wash hands after using. Do not get into eyes, on skin, or clothing. May be harmful if swallowed. Protect food and drink from contamination by product.

SECTION 9 - PHYSICAL / CHEMICAL PROPERTIES

Appearance and Odor: Clear water like light yellow liquid with a citrus and alcohol fragrance.

Boiling Point:	176° F	Specific Gravity: @25°C	.820 to .840	pH (Concentrate):	Ready-To-Use	8.0 - 9.0
Vapor Pressure:	N.E.	Solubility In Water:	Complete	pH (Diluted):		n/a
Vapor Density:	N.E.	Melting Point:	N/A	Evaporation Rate:		N.E.

SECTION 10 - STABILITY & REACTIVITY

STABILITY: Stable **HAZARDOUS POLYMERIZATION:** Will Not Occur **INCOMPATIBILITY (Materials or Conditions to Avoid):** Avoid contact with strong oxidizers.
HAZARDOUS DECOMPOSITION OR BY PRODUCTS: Carbon monoxide and carbon dioxide

SECTION 11 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This product is not considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261. Dispose of product by using in accordance with label directions or in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules). Do not puncture cans.

SECTION 12 - TRANSPORTATION INFORMATION

DOT HAZARD CLASS: Class 3, Flammable, Packing Group II
PROPER SHIPPING NAME: ORM-D Consumer Commodity

NOTE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied is given. It is the responsibility of the user to comply with all Federal, State and Local laws and regulations.