

# SAFETY DATA SHEET

## SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: **Castle® Foaming Hand Sanitizer™**

PRODUCT TYPE: Disinfectant  
PRODUCT CODE: C64

MANUFACTURED FOR: Castle Products, Inc.  
424 St. Paul Street  
Rochester, NY 14605  
800-876-0222 • FAX 585-325-4514  
EMERGENCY 585-275-3232

## SECTION 2 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING: Irritant



POTENTIAL HEALTH EFFECTS:

Eyes: May be irritating to eyes.

Skin: Possible skin irritation.

Inhalation: May cause mucous membrane irritation.

Ingestion: Harmful if swallowed. May cause gastrointestinal discomfort.

## SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	PEL	TLV	STEL	%
Water	7732-18-5	NE	NE	NE	>90%
Benzalkonium Chloride	8001-54-5	NE	NE	NE	0.1%
Dihydroxypropyl PEG-5 Linoleammonium Chloride	168677-75-6	NE	NE	NE	<2%
Glycereth-2 Cocoate	68201-46-7	NE	NE	NE	<2%
Behentrimonium Chloride	17301-53-0	NE	NE	NE	<2%
Dihydroxyethyl cocamine Oxide	61791-47-7	NE	NE	NE	<2%

## SECTION 4 FIRST AID MEASURES

First Aid Procedures:

Eye contact: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or Poison Control Center immediately.

Skin contact: If there is any sign of irritation, flush with large amounts of water.

Inhalation: Immediately remove from further exposure. Get immediate medical assistance. Give supplemental oxygen, if available. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by mouth to an unconscious person.

Note to physician: If the product is ingested treat the affected person symptomatically.

## SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: NONE LOWER EXPLOSIVE LIMIT: ND UPPER EXPLOSIVE LIMIT: ND

EXTINGUISHING MEDIA: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). Appropriate for surrounding fire.

UNUSUAL FIRE & EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate spaces before entering.

Environmental precautions: Prevent further leakage or spillage if safe to do so.

Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Eliminate ignition sources including sources of electrical, static or frictional sparks.

Wear appropriate protective equipment and clothing during clean-up.

Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for

later disposal.

Large Spills: Dike far ahead of liquid spill for later disposal. 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.

## SECTION 7 HANDLING AND STORAGE

Handling: Avoid breathing mist. Do not ingest.

Storage: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Store in a dry place no lower in temperature than 50°F (10°C) or higher than 120°F (49°C). Keep in a well-ventilated place.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits: NE

Engineering controls: Use local exhaust ventilation.

Personal protective equipment:

General: Eye wash fountain and emergency showers are recommended.

Eye/face protection: Wear chemical goggles or Face-shield.

Skin protection: Wear suitable protective clothing.

Respiratory protection: When respiratory protection is required, wear a NIOSH/MSHA approved self-contained breathing apparatus with full facepiece operated in a positive-pressure mode.

## SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

BOILING POINT:	>200°F (>93°C)	SPECIFIC GRAVITY (H <sub>2</sub> O=1):	1.0
VAPOR PRESSURE:	ND	PERCENT VOLATILE BY VOL %:	>90%
VAPOR DENSITY (air=1)	ND	EVAPORATION RATE (Butyl Acetate=1):	ND
SOLUBILITY IN WATER:	100%	APPEARANCE & ODOR:	Clear liquid / Various Scents
pH (Water=7)	7-8.5		

## SECTION 10 STABILITY and REACTIVITY DATA

STABILITY: Stable under normal conditions.

INCOMPATIBILITY (material to avoid): Strong oxidizing agents, Anionic surfactants.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen, ammonia, carbon monoxide, carbon dioxide, and low molecular weight hydrocarbons may be produced.

HAZARDOUS POLYMERIZATION: Will not occur.

## SECTION 11 TOXICOLOGICAL INFORMATION

Components Test Results:

Benzalkonium Chloride Oral LD50 Rat: 295 mg/kg  
Dermal LD50 Rabbit: 3000 mg/kg

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

## SECTION 12 ECOLOGICAL INFORMATION

Components Test Results:

Benzalkonium Chloride: LC50 Fish: 280 µg/L  
LC50 Daphnia: 5.9 µg/L

## SECTION 13 DISPOSAL CONSIDERATIONS

Disposal instructions: PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. 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 label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse empty container with water. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

## SECTION 14 TRANSPORT INFORMATION

For shipments of containers of less than 5 liters (1.3 gallons) packaged in cartons of 4 or fewer containers:

UN No.: NA  
Hazard Class: NA  
Packing Group: NA  
Proper shipping name: Consumer Commodity ORM-D  
No Label Required  
Other transport information:  
Before transporting product containers:  
- Ensure that containers are firmly secured.  
- Compliance with applicable regulations

## SECTION 15 REGULATORY INFORMATION

US federal regulations: This product is considered a pesticide, and is therefore excluded from the United States TSCA Regulations.

Reportable Quantity There is no calculable reportable quantity (RQ) for this product.

CERCLA (Superfund) reportable quantity: None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance: No

Section 311 hazardous chemical: No

Canada: This Product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

## SECTION 16 OTHER INFORMATION

Further information: HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 1  
Flammability: 0  
Physical hazard: 0  
Personal protection: A  
Hazard: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.  
Protection: A-Goggles, B-Goggles & gloves, C-Goggles, gloves, & protective wear.  
NFPA ratings Health: 1  
Flammability: 0  
Instability: 0

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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