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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Defend Foaming Hand Sanitizer  
PRODUCT USE: Hand cleaner  
DISTRIBUTED BY: 1st Ayd Corporation  
1325 Gateway Drive  
Elgin, IL 60124  
INFORMATION PHONE: 847-622-0001  
EMERGENCY PHONE: 800-255-3924

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SECTION 2 - HAZARD(S) IDENTIFICATION

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CLASSIFICATION: Eye Damage: Category 2B

PICTOGRAMS:

GHS ELEMENTS:

SIGNAL WORD: Warning

HAZARD STATEMENT(S): H320 | Causes eye irritation.

PRECAUTIONARY STATEMENT(S): P264 | Wash any exposed body parts thoroughly after handling.  
P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 | If eye irritation persists: Get medical advice/attention.

ADDITIONAL PRECAUTIONS: None Known

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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

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HAZARDOUS INGREDIENT	CAS #	FUNCTIONAL PURPOSE	PERCENT
Benzalkonium Chloride 0.1-0.12% solution	8001-54-5	Biocide	90 - 100%

The chemical identity of some or all components is confidential business information (trade secret) and is being withheld as permitted by 29CFR19191200 (i). No other ingredients known to be hazardous.

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SECTION 4 - FIRST AID MEASURES

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EYES:	Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
SKIN:	Wash skin surfaces thoroughly after contact. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if irritation develops.
INHALATION:	Move exposed person to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen clothing. Get medical attention immediately.
INGESTION:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
GENERAL:	Physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist if large quantities have been inhaled or ingested.

See Section 11 for exposure symptoms.

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## SECTION 5 - FIRE FIGHTING MEASURES

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FLAMMABILITY:	In a fire or if heated, a pressure increase will occur and the container may burst.
EXTINGUISHING MEDIA:	Use an extinguishing agent suitable for the surrounding fire.
PROTECTIVE EQUIPMENT:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.
ADDITIONAL INFORMATION:	Thermal decomposition products-carbon monoxide, sulfur oxides, metal oxide/oxides, halogenated compounds.

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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

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PERSONAL PRECAUTIONS:	No action should be taken involving individual risk or without suitable training. Isolate area. Avoid contact with material. Do not breathe vapors. Provide adequate ventilation. Wear proper personal protective equipment.
ENVIRONMENTAL:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product reaches sewers, waterways or soil.
CONTAINMENT/CLEANUP:	Stop leak if without risk. Move containers from spill area. Contain or absorb with inert dry material. Dispose of according to local regulations. See Section 1 for emergency contact information and 13 for waste disposal.

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## SECTION 7 - HANDLING AND STORAGE

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**SAFE HANDLING:** Wear appropriate personal protective equipment (see Section 8). Eating drinking and smoking should be prohibited. Do not get into eyes or on skin. Do not ingest. Keep containers tightly closed. Do not reuse container.

**SAFE STORAGE:** Store in accordance with local regulations. Store in original container away from foods, drink and incompatible materials. Keep container tightly closed. Do not store unlabeled. Use appropriate containment.

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## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** Apply technical measures to comply with occupational exposure limits. Mechanical ventilation, eyewash stations, showers where necessary.

**EYE PROTECTION:** Safety eye-wear/face shield complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**RESPIRATORY PROTECTION:** Use a properly fitted air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates necessity. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product & the safe working limits of the chosen respirator.

**HAND PROTECTION:** Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**SKIN PROTECTION:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

COMPONENT	ACGIH TWA ppm	OSHA/NIOSH STEL ppm	OSHA/ACGIH STEL mg/m3
Benzalkonium Chloride 0.1-0.12% solution	None	None	None

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE:	Liquid	UPPER EXPLOSIVE LIMITS:	NA
COLOR:	Colorless	LOWER EXPLOSIVE LIMITS:	NA
ODOR:	Lemon fragrance	VAPOR PRESSURE:	NA
ODOR THRESHOLD:	NA	VAPOR DENSITY:	NA
PH:	04.1 - 08.0	RELATIVE DENSITY:	NA
MELTING POINT:	NA	SOLUBILITY:	Completely Water Soluble
FREEZING POINT:	NA	PARTITION COEFFICIENT:	NA

BOILING POINT:	NA	AUTO-IGNITION TEMPERATURE:	NA
FLASH PT METHOD:	NA	DECOMPOSITION TEMPERATURE:	NA
FLASH POINT:	NA	SPECIFIC GRAVITY:	NA
EVAPORATION RATE:	NA	% VOLATILE:	NA
FLAMMABILITY:	NA	VISCOSITY (cst):	NA

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## SECTION 10 - STABILITY AND REACTIVITY

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REACTIVITY:	HAZARDOUS DECOMPOSITION PRODUCTS
CHEMICAL STABILITY:	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS:	Stable under normal conditions
CONDITIONS TO AVOID:	None known
INCOMPATIBLE MATERIALS:	Strong acids and oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Material does not decompose at ambient temperatures.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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ROUTES OF ENTRY:	Inhalation	Absorption	Ingestion
ACUTE EXPOSURE HAZARDS:			
EYE CONTACT:	Irritation		
DERMAL:	None expected.		
ORAL:	Nausea, diarrhea.		
INHALATION:	Minimally toxic based on test data for structurally similar materials.		

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## SECTION 12 - ECOLOGICAL INFORMATION

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ECOTOXICITY:	No data available.
PERSISTENCE & DEGRADABILITY:	No data available.
BIOACCUMULATIVE POTENTIAL:	No data available.

MOBILITY IN SOIL:No data available.

OTHER ADVERSE EFFECTS:No data available.

SECTION 13 - DISPOSAL CONSIDERATION

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of the product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 - TRANSPORT INFORMATION

DOT (US)

UN NUMBER:

NA

SHIPPING NAME:

NA

TECHNICAL NAME:

NA

HAZARD CLASS:

NA

PACKAGING GROUP:

NA

SECTION 15 - REGULATORY INFORMATION

SARA 313 COMPONENTS	CAS NO.	% LESS THAN
CALIFORNIA PROP. 65 COMPONENTS	CAS NO.	% LESS THAN

SECTION 16 - OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)

A Safety Glasses

B Safety Glasses, Gloves

Version: 1.0012  
Revision Date: 03/16/2020  
Print Date: 03/16/2020

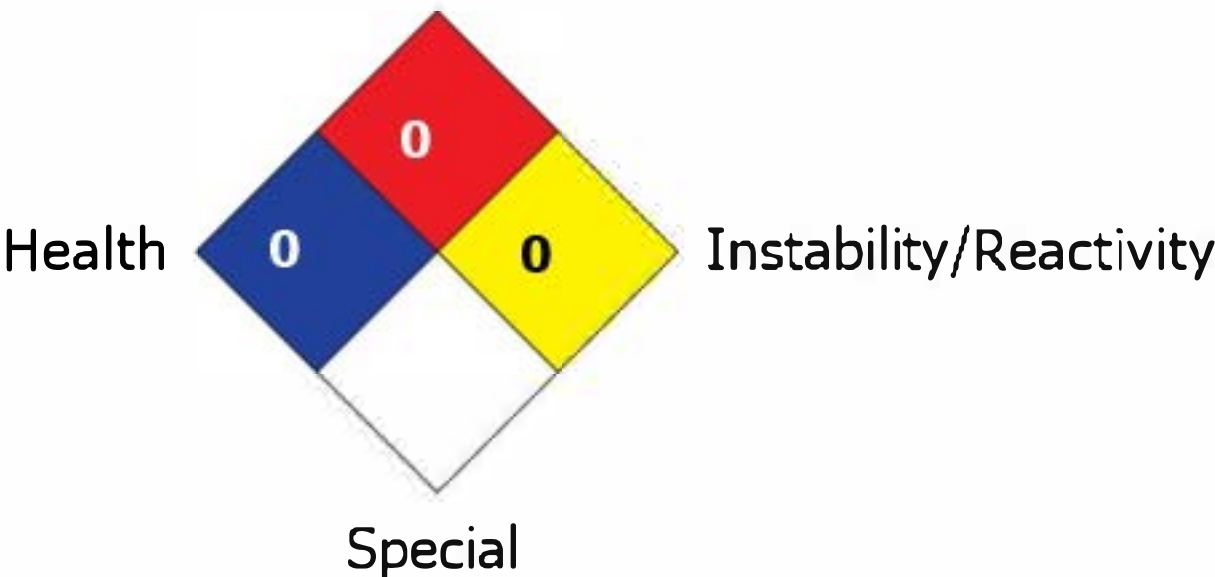
Health Hazard	0
Fire Hazard	0
Reactivity	0
Personal Protection	X

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks.

- C Safety Glasses, Gloves, Apron
- D Face Shield, Gloves, Apron
- E Safety Glasses, Gloves, Dust Respirator
- F Safety Glasses, Gloves, Apron, Dust Respirator
- G Safety Glasses, Gloves, Vapor Respirator
- H Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- I Safety Glasses, Gloves, Dust & Vapor Respirator
- J Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- K Airline Hood or Mask, Gloves, Full Suit, Boots
- X Consult your supervisor for special handling directions

Flammability

NATIONAL FIRE PROTECTION  
ASSOCIATION (U.S.A.)



NFPA warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health, and reactivity hazards of chemicals.

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To the best of our knowledge, the information provided in this Safety Data Sheet is accurate as of the date of its issue. However, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY , EXPRESS OR OTHERWISE. The information this Safety Data Sheet contains is being given to that material when combined with other material(s) or when used otherwise than as described herein.

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