

# Defense Ag

## HAND SANITIZER

### The Product

**Defense Ag** Hand Sanitizer includes 75% Isopropyl Alcohol to help reduce bacteria that potentially can cause disease. Curcumin (diferuloylmethane) is a known natural antiseptic.

- Moisturizing.
- Colorless liquid having disinfectant properties.

### Mode of Action

**Isopropyl Alcohol** has been referenced to kill cells by denaturing cell proteins and DNA, interfering with cellular metabolism, and dissolving cell lipo-protein membranes. Isopropanol is used in soaps and lotions as an antiseptic.<sup>1</sup>

The antimicrobial activity of **Curcumin (diferuloylmethane)** has been referenced to support the use of Curcumin (diferuloylmethane) for treating bacterial and fungal skin diseases.<sup>2</sup>

### Indications

**Defense Ag** Hand Sanitizer is to help reduce germs and bacteria. Use when soap and water are not available.

### Warning

- Keep away from fire and flame; flammable
- For external use on hands only.
- Keep out of eye, ears and mouth if contact in eyes flush thoroughly with water.
- Keep out of reach of children.
- If swallowed seek medical help immediately or call your poison control center.
- Store between 15-30°C (58-86°F).
- Avoid freezing and excessive heat above 40°C (104°F).

### Application

- Apply **Defense Ag** on hands rubbing together until dried.
- Do not rinse or wipe dry after use.
- Adult supervision recommended for children under 6 years old.

### Shelf Life

2 years, 1 year from opening.

### Defense Ag Hand Sanitizer

Is available in the following options:

NHC710118	<b>Defense Ag 4 oz</b> (118 mL)
NHC710200	<b>Defense Ag 7 oz</b> (207 mL)
NHC710500	<b>Defense Ag 16 oz</b> (473 mL)

<sup>Reference 1</sup>  
<https://pubchem.ncbi.nlm.nih.gov/compound/ISOPROPANOL>

<sup>Reference 2</sup>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6770633/>

### Composition

#### Active Ingredients

Isopropyl Alcohol 75%.....Antiseptic

#### Inactive Ingredients

Ultra Pure Water                      Curcumin (diferuloylmethane)  
Hydroxyethyl Cellulose              Essential Oil



Phone - 800.233.0210

[www.pennvet.com](http://www.pennvet.com)

nexderma

**Nexderma Inc.**

519 Johnson Avenue | Bohemia NY | 11716 USA  
Tel: +1 (516) 487-8787 | Toll Free: +1 (800) 208-2025 | Fax +1 (877) 487-7878 |  
[www.nexdermavet.com](http://www.nexdermavet.com)