

SAFETY DATA SHEET

pure **FORCE**

CLEAN FORCE FOAM HAND SANITIZER

Section 1. Chemical product and company identification

Product name : CLEAN FORCE FOAM HAND SANITIZER
Recommended use and restrictions : Hand disinfectant
 Use only for the purpose on the product label.

Product dilution information : Not applicable

Supplier's information : PureForce
 370 Wabasha Street North
 St. Paul, MN 55102
 1-866-444-7450

Code : 924680-11

Date of issue : 09 Dec 2013

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
 Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

Product AS SOLD
GHS Classification : FLAMMABLE LIQUIDS - Category 3
 SERIOUS EYE DAMAGE/ EYE IRRITATION -
 Category 2B

GHS label elements

Signal word : Warning

Symbol :



Hazard statements : Flammable liquid and vapor.
 Causes eye irritation.

Precautionary statements

Prevention : Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Keep container tightly closed. No special protection is required.

Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Store in a well-ventilated place. Keep cool.

Disposal : See section 13 for waste disposal information.

Other hazards : None known.

Product AT USE DILUTION

Product is sold ready to use.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
ISOPROPYL ALCOHOL	5 - 20	67-63-0
BENZALKONIUM CHLORIDE	0.1	68424-85-1

Product AT USE DILUTION

Hazardous ingredients	Concentration Range (%)	CAS number
Product is sold ready to use		

Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse with water for a few minutes.	Product is sold ready to use.
Skin contact	: Get medical attention if symptoms appear.	
Inhalation	: No special measures required. Treat symptomatically.	
Ingestion	: Get medical attention if symptoms occur.	
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.	
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Specific hazards arising from the chemical	: Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
Specific fire-fighting methods	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

<p>Personal precautions</p> <p>Environmental precautions</p> <p>Methods for cleaning up</p>	<p>Product AS SOLD</p> <p>: Avoid contact with eyes.</p> <p>: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.</p> <p>: Absorb with an inert material. Use a water rinse for final clean-up.</p>	<p>Product AT USE DILUTION</p> <p>Product is sold ready to use.</p>
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Section 7. Handling and storage

<p>Handling</p> <p>Storage</p>	<p>Product AS SOLD</p> <p>: Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash hands after handling.</p> <p>: Keep out of reach of children. Keep container tightly closed. Keep container tightly closed and sealed until ready for use. Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame). Store in a segregated and approved area.</p> <p>Store between the following temperatures: 0 and 45°C</p>	<p>Product AT USE DILUTION</p> <p>Product is sold ready to use.</p>
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Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
ISOPROPYL ALCOHOL	<p>ACGIH TLV (United States, 3/2012). STEL: 400 ppm 15 minutes. TWA: 200 ppm 8 hours.</p> <p>OSHA PEL (United States, 6/2010). TWA: 980 mg/m³ 8 hours. TWA: 400 ppm 8 hours.</p> <p>NIOSH REL (United States, 6/2009). TWA: 400 ppm 10 hours. TWA: 980 mg/m³ 10 hours. STEL: 500 ppm 15 minutes. STEL: 1225 mg/m³ 15 minutes.</p>

<p>Appropriate engineering controls</p> <p>Personal protection</p> <p>Eye protection</p> <p>Hand protection</p> <p>Skin protection</p> <p>Respiratory protection</p> <p>Hygiene measures</p>	<p>Product AS SOLD</p> <p>: No special ventilation requirements.</p> <p>: No special protection is required.</p> <p>: No special protection is required.</p> <p>: No special protection is required.</p> <p>: No special protection is required.</p> <p>: No special measures required.</p>	<p>Product AT USE DILUTION</p> <p>Product is sold ready to use.</p>
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Section 9. Physical and chemical properties

	Product AS SOLD
Physical state	: Liquid.
Color	: Red [Light]
Odor	: Alcohol-like
pH	: 5 to 9 (100%)
Flash point	: 42 °C (Closed cup)
Explosion limits	: Not available.
Flammability (solid, gas)	: Not available.
Melting point	: Not available.
Boiling point	: >100°C (>212°F)
Evaporation rate (butyl acetate = 1)	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 0.988 (Water = 1)
Solubility	: Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Odor threshold	: Not available.
Viscosity	: Kinematic (room temperature): 0 cm ² /s (0 cSt)

Product AT USE DILUTION

Product is sold ready to use.

Section 10. Stability and reactivity

	Product AS SOLD
Stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Materials to avoid	: Not available.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD

Symptoms

Eye contact	: Adverse symptoms may include the following: irritation watering redness
Skin contact	: No specific data.
Inhalation	: No specific data.
Ingestion	: No specific data.

Product AT USE DILUTION

Product is sold ready to use.

Section 11. Toxicological information

Acute toxicity

Eye contact : Causes eye irritation.
Skin contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Toxicity data

Product/ingredient name

propan-2-ol	LC50 Inhalation	Rat	30 mg/l
	Vapor		
	LD50 Dermal	Rabbit	12870 mg/kg
	LD50 Oral	Rat	4710 mg/kg

Chronic toxicity

Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD

Ecotoxicity : No known significant effects or critical hazards.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
Not available.			

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Product AS SOLD

Disposal methods : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

RCRA classification : Unused product is D001 (Ignitable)

Product AT USE DILUTION

Product is sold ready to use.

Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

DOT

DOT Classification : Not regulated.

IMO/IMDG

IMO/IMDG Classification : Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substances: No listed substance
SARA 302/304 emergency planning and notification: No listed substance

<u>SARA 313</u>	<u>Product name</u>	<u>CAS number</u>	<u>Concentration</u>
Form R - Reporting requirements	: No listed substance		

California Prop. 65 : No listed substance

Section 16. Other information

Product AS SOLD

Hazardous Material Information System (U.S.A.) :

Health	1
Flammability	1
Physical hazards	0

National Fire Protection Association (U.S.A.) :



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1-800-352-5326

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.