



ALCOHOL INSTANT HAND SANITIZER

Alcohol Based Foaming Instant Hand Sanitizer for Food Handlers

OPS® Foaming Alcohol Skin Sanitizer is a 70% Alcohol based hand sanitizer formulation that delivers a fast-drying, thick, stable, non-sticky foam proven to reduce bacteria such as Staphylococcus aureus and Pseudomonas aeruginosa >99.99% in just 15 seconds. Safe and effective, OPS Foaming Alcohol Skin Sanitizer is E-3 Rated and approved for Food Handlers.

OPS® 70% Foaming Alcohol Skin Sanitizer is an easy to process product that conditions and moisturizes the skin, is non-sticky and non-greasy, and leaves the skin with a soft refreshing after-feel. Applied in a rich skin pleasing foam, consumers appreciate the sensory appeal of a fast-drying foam over a sticky gel. Medical practitioners appreciate an effective product. Alcohol-gel products contain antimicrobial blocking “bio-films” which can result in decreased antimicrobial effectiveness with use (1,2).

NSF Approval

OPS® 70% Foaming Alcohol Skin Sanitizer is NSF Registered (NSF Registration No. 141702) under Category E-3 for Food Handlers.

Is OPS® 70% Foaming Alcohol Skin Sanitizer Safe for Use?

OPS® 70% Foaming Alcohol Skin Sanitizer is very effective at reducing bacteria on the skin, yet very gentle on the skin as the Dermal Irritation summary below indicates:

Primary Dermal Irritation

(FHSA/CPSC Design, 16 CFR 1500-0ccluded 24hr. contact) This study is designed to examine the rate of kill of a test substance after inoculation with a test organism. Results are expressed in percent reduction and log reduction of the test organism. Exposure time 15 Seconds.

Is OPS® 70% Foaming Alcohol Skin Sanitizer Effective?

OPS® 70% Foaming Alcohol Skin Sanitizer is very efficient at reducing bacteria on the skin, effective against a broad range of pathogenic bacteria and viruses in as little as 15 seconds as the Time Kill Data from 62% wt/wt formula below illustrate:

Efficacy Data – In Vitro

Timed – Exposure Kill Evaluation

Test Objective : Evaluate the antimicrobial effectiveness of the product in vitro.

Description of Test: Fifteen (15) second exposure kill evaluations were performed utilizing fifty-six (56) challenge microorganism strains. The challenge inoculum was introduced to the test product at time zero; a portion of the sample was removed and placed in neutralizing media at the appropriate time (15 seconds). Standard plate counting techniques were used to enumerate viable challenge microorganisms.

For Use in the OPS® Vandal Proof Dispenser



70% Alcohol Foaming Skin Sanitizer

Tested to be 99.99% antimicrobial effective.
Meets FDA healthcare personnel handwash requirements.

ARCHER Manufacturing, Inc.
Murrieta, CA 92562

info@VandalProof.org • 1-800-796-5545

Product Facts

Active Ingredients:	Purpose
Ethyl alcohol 68-72% v/v	Antimicrobial

Inactive Ingredients: Water, Foaming Surfactant (Proprietary), Glycerin.

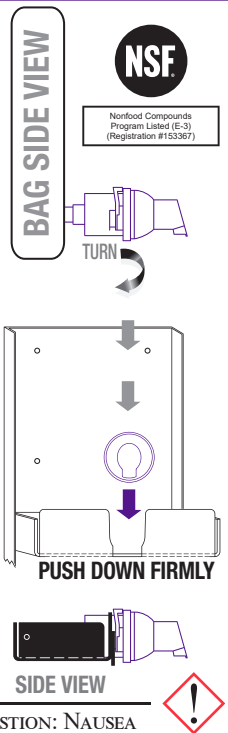
Uses: For Hand sanitizer to help reduce bacteria on the skin that could cause disease. Recommended for repeated use.

Directions: Place enough product in your palm to thoroughly cover your hands. Rub hands together briskly until dry.

Warnings: Flammable. Keep away from fire and flames. For external use only. Stop use and ask a doctor if irritation or redness develops, or if condition persists for more than 72 hours. If swallowed, get medical help or contact Poison Control right away. When using this product avoid contact with eyes. In case of eye contact, flush eyes with water.

1000ml-Net • Made in USA

SIGNAL WORD: WARNING EYES: IRRITATION INGESTION: NAUSEA



Irritancy Data and Allergy Test Results

21 Day Cumulative Irritancy Assay with Delayed Challenge

Test Objective

Evaluation of skin irritation potential in humans.

Description of Test

Phillips et al (Toxic and Applied Pharmacology 21:369-382) summarizes the method utilized for this evaluation. Fresh materials are applied daily, 5 days per week, for 21 days to the same site (patches were not moved or reapplied on the weekends).

Results: CIT Average Score = 0.35 (scale 0 – 4; Baby Oil = 0.24)

Challenge Phase: Non-sensitizing

Conclusions: Product has a low potential for skin irritation and allergic contact dermatitis.

Human Repeated Insult Patch Test

Test Objective

To determine the irritation and sensitization (contact allergy) potential of a test material after repeated application to the skin of subjects.

Description of Test

This study was conducted utilizing a standard protocol and a total of fifty-two (52) subjects.

Subjects were requested to bathe or wash as usual before arrival at the facility. Patches containing the test material were then affixed directly to the skin of the intrascapular regions of the back, to the right or left of the midline and subjects were dismissed with instructions not to wet or expose the test area to direct sunlight. Subjects were instructed to remove the patches approximately 48 hours after the first application and 24 hours thereafter for the remainder of the study. This procedure was repeated until a series of nine (9) consecutive, 24-hour exposures had been made three (3) times a week for three (3) consecutive weeks. Prior to each reapplication, the test sites were evaluated by trained laboratory personnel. Following a 10-14 day rest period a retest/challenge dose was applied once to a previously unexposed test site.

Test sites were evaluated by trained laboratory personnel 48 and 96 hours after application. In the event of an adverse reaction, the area of erythema and edema were measured. Edema is estimated by the evaluation of the skin with respect to the contour of the unaffected normal skin. Subjects were instructed to report any delayed reactions that might occur after the final reading.

Results: No observed dermal reactions.

Conclusions: No demonstrated potential for eliciting dermal irritation or sensitization.

OPS® 70% Foaming Alcohol Skin Sanitizer has been demonstrated to reduce MRSA >99.9999% in 15 seconds.

Conclusions: Very effective reduction of gram-negative and gram-positive bacteria and yeasts was demonstrated.

Challenge Microbe	ATCC No	Exposure (seconds)	Percent Reduction
Acinetobacter baumannii	19606	15	99.9999
Bacteroides fragilis	25285	15	99.9913
Burkholderia cepacia	25416	15	99.9999
Burkholderia cepacia	25608	15	99.9999
Campylobacter jejuni	29428	15	99.9999
Citrobacter freundii	8090	15	99.9999
Clostridium difficile (vegetative cells)	9689	15	99.9943
Clostridium perfringens (vegetative cells)	13124	15	99.9999
Corynebacterium diphtheriae	11913	15	99.9999
Enterobacter aerogenes	13048	15	99.9999
Enterococcus faecalis	19433	15	99.9999

Challenge Microbe	ATCC No	Exposure (seconds)	Percent Reduction
Enterococcus faecalis	29212	15	99.9999
Enterococcus faecalis VRE	51299	15	99.9999
Enterococcus faecalis VRE	51575	15	99.9999
Enterococcus faecium	19434	15	99.9999
Enterococcus faecium (MDR, VRE)	51559	15	99.9999
Escherichia coli	11775	15	99.9999
Escherichia coli	25922	15	99.9999
Escherichia coli (O157:H7)	43888	15	99.9999
Escherichia coli (MDR, ESBL)	BAA-196	15	99.9999
Escherichia coli ESBL; Carbapenemase-Producing	BSLI #082710EcCP1*	15	99.9998
Haemophilus influenzae MDR	33930	15	99.9999
Klebsiella pneumonia Ozaenae	11296	15	99.9999
Klebsiella pneumonia pneumoniae	13883	15	99.9998
Klebsiella pneumoniae pneumoniae	27736	15	99.9998
Klebsiella pneumonia KPC 2 Positive; Carbapenemase Producing	BSLI#081710KPCI*	15	99.9998
Lactobacillus plantarum	14917	15	99.9999
Listeria monocytogenes	7644	15	99.9999
Micrococcus luteus	7468	15	99.9992
Proteus hauseri	13315	15	99.9999
Proteus mirabilis	7002	15	99.9999
Pseudomonas aeruginosa	15442	15	99.9999
Pseudomonas aeruginosa	27853	15	99.9999
Salmonella enterica enterica serovar Enteritidis	13076	15	99.9999
Serratia marcescens	8100	15	99.9999
Serratia marcescens	14756	15	99.9999
Shigella dysenteriae	13313	15	99.9999
Shigella sonnei	11060	15	99.9999
Staphylococcus aureus aureus	6538	15	99.9999
Staphylococcus aureus aureus	29213	15	99.9999
Staphylococcus aureus aureus (MRSA)	33591	15	99.9999
Staphylococcus aureus aureus (MRSA)	33592	15	99.9999
Staphylococcus aureus (MRSA) (VRSA)	062707 NARSAVRSaI	15	99.9999
Staphylococcus aureus (MRSA) (NARSA Strain NRS384;USA 300)	12085 NRSa384	15	99.9999
Staphylococcus epidermidis	12228	15	99.9998
Staphylococcus epidermidis MRSE	51625	15	99.9998
Staphylococcus haemolyticus	43252	15	99.9998
Staphylococcus hominis hominis	27845	15	99.9997
Staphylococcus saprophyticus	49453	15	99.9999
Streptococcus pneumoniae	6303	15	99.9999
Streptococcus pneumoniae	49619	15	99.9999
Streptococcus pyogenes	14289	15	99.9999
Streptococcus pyogenes	19615	15	99.9999
Yeasts	ATCC No	Exposure (seconds)	Percent Reduction
Candida albicans	18804	15	99.9999
Candida albicans	66027	15	99.9913
Candida albicans	13803	15	99.9999

SAFETY DATA SHEET

OPS 70% ALCOHOL FOAMING SKIN SANITIZER

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name : OPS 70% ALCOHOL FOAM SKIN SANITIZER
Product Codes : 1405-06G
Recommended use : Hand Sanitizer
Product dilution information : Product is sold ready to use.
Company : Archer Manufacturing Inc.
40960 California Oaks Rd. Ste. 251, Murrieta CA 92562
1-800-796-5545
Chemtel Phone : 1-800-255-3924
Issuing date : 1/05/2015

SECTION 2 – HAZARD(S) IDENTIFICATION

GHS Classification

Flammable liquids : Category 3
Eye irritation : Category 2B

GHS Label Element Hazards pictograms



Signal Word : Warning
Hazard Statements : Flammable liquid and vapor.
Causes eye irritation.
Precautionary Statements : **Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Storage:
Store in a well-ventilated place. Keep cool.
Disposal:
Dispose of contents/container to an approved waste disposal plant.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Concentration (%)</u>
ETHANOL	64-17-5	68 –72
GLYCERIN USP KOSHER	56-81-5	0 – 5

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SECTION 4 – FIRST AID MEASURES

In case of eye contact : Flush eyes under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, seek medical/advice attention.

In case of skin contact : If irritation persists, wash with water.

If ingested : Contact a physician or Poison Control Center immediately. Do not induce vomiting never give anything by mouth to an unconscious person.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : No special precautions are necessary.

Notes to physicians : Treat symptomatically.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during firefighting : No flammable or combustible.

Hazardous combustions products : Carbon oxides

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions : No special measures required.

Environmental precautions : Avoid contact of large amounts of spilled material runoff with soil and surface waterways.

Methods of cleaning up : Absorb with inert material. Use a water rinse for final clean-up.

SECTION 7 – HANDLING AND STORAGE

Handling : Wash hands after handling.

Storage : Keep out of reach of children. Keep container tightly closed.
Store between 32 to 122 degrees F.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients with workplace control parameters.

<u>Ingredients</u>	<u>CAS-No.</u>	<u>Form of Exposure</u>	<u>Permissible Concentration</u>	<u>Basis</u>
SDA 40-B ALCOHOL	64-17-5	STEL	1000 ppm	ACGIH
SDA 40-B ALCOHOL	64-17-5	PEL	1900 mg/m3	OSHA

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Engineering measures : Good general ventilation should be sufficient to control workers exposure to airborne contamination.

Personal protection

Eyes : Eye protection should be used when splashing may occur.
Hands : No protective equipment is needed under normal use.
Skin : No protective equipment is needed under normal use.
Respiratory : No protective equipment is needed under normal use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Liquid	Upper/lower flammability limits: N/A
Odor: Alcoholic odor	Vapor pressure: N/A
Odor Threshold: No data available	Vapor density: N/A
ph: 7.5 typical	Relative density: No data available.
Melting point/freezing point: N/A	Solubility (ies): No data available.
Initial boiling and boiling range: N/A	Partition coefficient: n-octanol/water: No data available.
Flash point: N/A	Auto ignition temperature: N/A
Evaporation rate: <1	Decomposition temperature: No data available.
Flammability (solid, gas): No data available	Viscosity: N/A

SECTION 10 – STABILITY AND REACTIVITY

Stability : The product is stable under normal conditions.
Possibility of hazardous reactions : No dangerous reaction is known under conditions of normal use.

Conditions to avoid : None known.
Incompatible materials : None known.
Hazardous decomposition products : Carbon oxides

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on likely routines of exposure : Inhalation, eye contact, skin contact.

Potential Health Effects

Eyes : Cause of irritation.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic exposure : Health injuries are not known or expected under normal use.

Experience with Human Exposure

Eye contact : Redness, irritation.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

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Toxicity

Acute oral toxicity : Acute toxicity estimate: >5,000 mg/kg
Acute inhalation toxicity : No data available
Acute dermal toxicity : Acute toxicity estimate: >5,000 mg/kg
Skin corrosion/irritation : No data available
Serious eye damage/eye irritation : Mild eye irritation.
Respiratory or skin sensitization : No data available.

Carcinogenicity

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible or confirmed human carcinogen by IARC.
OSHA : No ingredient of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP : No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12 – ECOLOGICAL INFORMATION

Ecological Tests : Data is not available.
Environmental Impact : The product ingredients are expected to be safe for the environment at the concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. When possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

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. The shipper / consignor / sender are responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Shipment	Identification Number	Proper Shipping Name	Hazardous Classification	Packaging Group
US DOT IATA	Not dangerous goods	N/A	N/A	None
(Air) IMDG	Not dangerous goods	N/A	N/A	None
(Vessel)	Not dangerous goods	N/A	N/A	None

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SECTION 15 – REGULATORY INFORMATION

U.S. Federal regulations

TSCA (Toxic Substances Control Act): : All ingredients in this product are either listed, or exempt from listing, on the TSCA Inventory.

CERCLA (Comprehensive Response Compensation, and Liability Act) : Not Determined

SARA Title III (Superfund Amendments and Reauthorization Act) : None

SARA 313 Reportable Ingredients : None.

SECTION 16 - OTHER INFORMATION

NFPA 704:



HMIS III:

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARDS	0

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Prepared by : Regulatory Compliance

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.