

SDS: Product Company: Dentovations Inc. Product: Alcohol Based Hand Sanitizer Product Code: ACTIVA HS	SDS Number: Dento 400100	SDS Page Number: 1 of 8
	Revision Date: 27Mar2020	FRM Number: SAF-FRM-13000.08

ALCOHOL BASED HAND SANITIZER

This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Dento SDS Number: Dento 400100

Revision Date: 27Mar2020

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Company: Dentovations Inc.
 Product Name: Alcohol Based Hand Sanitizer
 Product Code: ACTIVA HS

Manufacturer:

Dentovations Inc.
 1 Beacon St.; 15 th Floor
 Boston, MA 02108

Tel: 617-737-1199
 Web: www.dentovations.com
 Email: info@dentovations.com

Medical Emergency: Call Emergency Department Tel: 911

INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)



SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview:

Physical Characteristics –

Appearance: Liquid
 Color: Clear Colorless
 Odor: Characteristic Alcohol
 Taste: Not Applicable

Globally Harmonized System (GHS) Classification –

Hazard Class:	Code:	Hazard Statement:	Category:	Pictogram:
Flammable Liquids	H226	Flammable liquid and vapor.	3	
Serious Eye Irritation:	H319	Causes serious eye irritation.	2A	

SDS: Product Company: Dentovations Inc. Product: Alcohol Based Hand Sanitizer Product Code: ACTIVA HS	SDS Number: Dento 400100	SDS Page Number: 2 of 8
	Revision Date: 27Mar2020	FRM Number: SAF-FRM-13000.08

Precautionary Statements –

Prevention:	Code:	Statement:
	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P233	Keep container tightly closed.
	P241	Use explosion-proof electrical/ ventilating/ lighting equipment.
	P264	Wash skin thoroughly after handling.
	P280	Wear protective gloves/ protective clothing/ face protection.

Response:	Code:	Statement:
	P303+361+353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P337+313	If eye irritation persists: Get medical advice/attention.

Potential Health Effects –

Inhalation:	No adverse effects due to inhalation are expected.
Skin:	May cause skin irritation upon prolonged contact.
Eyes:	May cause eye irritation.
Ingestion:	May be harmful if swallowed in large quantities.
Aggravated Conditions:	None known.

Carcinogenicity –

IARC: (International Agency for Research on Cancer) No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: (American Conference of Governmental Industrial Hygienists) No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA: (Occupational Safety and Health Administration) No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP: (National Toxicology Program) No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 3. PRODUCT COMPOSITION

No.:	Ingredient Chemical Name:	CAS No.:	Part No.:	Concentration (%):
1	Alcohol (Ethanol)	64-17-5	10869	≥ 60 – 80 ≤
2	Water	7732-18-5	10280	≥ 20 – 40 ≤
3	Glycerin	56-81-5	10079	≥ 0 – 5 ≤
4	Propylene Glycol	57-55-6	10913	≥ 0 – 5 ≤
5	AccessTHIX 880	9003-01-4	10530	≥ 0 – 5 ≤
6	Benzophenone-4	119-61-9	11152	≥ 0 – 5 ≤

SDS: Product Company: Dentovations Inc. Product: Alcohol Based Hand Sanitizer Product Code: ACTIVA HS	SDS Number: Ö\} q Á €€€€Á	SDS Page Number: 3 of 8
	Revision Date: 27Mar2020	FRM Number: SAF-FRM-13000.08

7	Sodium Hydroxide	1310-73-2	11101	≥ 0 – 5 ≤
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SECTION 4. FIRST-AID MEASURES

If inhaled:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact:	Wash with soap and water as a precaution. If irritation develops get medical attention.
In case of eye contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
If ingested in excess:	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed:	Causes serious eye irritation.
Protection of First Aid responders:	First Aid responders should pay attention to self-protection and use the recommended personal protective equipment when the potential for exposure exists.
Notes to physician:	Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire-fighting water from entering environment.
Hazardous combustion products:	Carbon Monoxide, Carbon Dioxide
Special protective equipment for firefighters:	Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires.
Other information:	Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protection recommended in Section 8 of this SDS. Remove all sources of ignition.
Methods and materials for containment and cleaning up:	Cover with inert, absorbent material and remove to disposal container. Spill area may be slippery. Flush with plenty of water.
For non-emergency personnel:	Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see item 8. Do not breathe vapors. Avoid contact with skin, eyes and clothing.

SDS: Product Company: Dentovations Inc. Product: Alcohol Based Hand Sanitizer Product Code: ACTIVA HS	SDS Number: NUX-SDS-BK40421.01	SDS Page Number: 4 of 8
	Revision Date: 27Mar2020	FRM Number: SAF-FRM-13000.08

For emergency personnel: Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see Section 8 of this SDS.

SECTION 7. HANDLING AND STORAGE

Conditions for safe storage: Store at controlled room temperature at 20-25°C (68-77°F).

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Conditions for safe storage: Store at controlled room temperature at 20-25°C (68-77°F).

Respiratory protection: Personal respiratory protective equipment normally required.

In case of insufficient ventilation, wear suitable respiratory equipment. Wear a half mask respirator, NIOSH certified. Wear a full-face respirator, NIOSH certified. Filter type: A. The filter class must be suitable for the maximum contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. (EN 137).

Protective measures: In an industrial work environment, if a splash is likely, chemical goggles may be needed. Prolonged skin contact may require protective gloves. For consumer use, no unusual precautions are necessary.

Hygiene measures: In an industrial work environment, avoid eye and prolonged skin contact.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Clear Colorless
Odor:	Characteristic Alcohol
Taste:	Not Applicable
Specific Gravity:	---
Density:	≥ 0.881 g/cm ³
Viscosity:	---
pH:	6.5 – 8.5
Melting Point:	Not applicable
Boiling Point:	73°C initial
Vapor Pressure:	Not applicable
Refractive Index:	Not applicable
Flash Point:	25°C

SDS: Product Company: Nutrix International Product: Alcohol Based Hand Sanitizer Product Code: BK40421	SDS Number: NUX-SDS-BK40421.01	SDS Page Number: 5 of 8
	Revision Date: 27Mar2020	FRM Number: SAF-FRM-13000.08

SECTION 10. STABILITY AND REACTIVITY

Possible hazardous reactions:	None known.
Incompatible materials:	Strong oxidizers.
Conditions to avoid:	Heat, flames, and sparks.
Hazardous decomposition products:	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

No.:	Ingredient Chemical Name:	CAS No.:	Acute Toxicity (LD ₅₀):	Acute Toxicity (LD ₅₀):
1	Alcohol (Ethanol)	64-17-5	> 10.470 g/Kg, Rat - Oral	No Data Available - Dermal
2	Water	7732-18-5	> 90 mL/Kg, Rat - Oral	No Data Available - Dermal
3	Glycerin	56-81-5	> 25.0 g/Kg, Rat - Oral	> 18.7 g/Kg, Rabbit - Dermal
4	Propylene Glycol	57-55-6	> 20.0 g/Kg, Rat - Oral	> 20.8 g/Kg, Rabbit - Dermal
5	AccessTHIX 880	9003-01-4	> 10.0 g/Kg, Rat - Oral	> 5.0 g/Kg, Rabbit - Dermal
6	Benzophenone-4	119-61-9	> 10.0 g/Kg, Rat - Oral	> 3.5 g/Kg, Rabbit - Dermal
7	Sodium Hydroxide	1310-73-2	No Data Available - Oral	> 13.5 g/Kg, Rabbit - Dermal

Product Toxicity: This product has not been tested as a whole. However, this formula was reviewed by the Product Safety Assurance Department and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas, and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 2 and 3 of the SDS.

Acute Toxicity: Not classified based on available information.

Oral Toxicity: **Acute toxicity estimate: > 16.1 g/Kg, Method: Calculation**

Inhalation Toxicity: Not classified based on available information.

Dermal Toxicity: **Acute toxicity estimate: > 935 g/Kg, Method: Calculation**

SECTION 12: ECOLOGICAL INFORMATION

Environmental toxicity: The product has not been tested as a whole for environmental toxicity. However, environmental information on the ingredients in this product have been reviewed by the Product Safety Assurance Department and determined to have an acceptable environmental profile. This evaluation is based on available information on individual ingredients, interactions of ingredients, and similar ingredients. Biodegradability claims are supported by data on ingredients (i.e., surfactants are biodegradable) or testing conducted on the final product (i.e., This product is biodegradable).

SDS: Product Company: Nutrix International Product: Alcohol Based Hand Sanitizer Product Code: BK40421	SDS Number: NUX-SDS-BK40421.01	SDS Page Number: 6 of 8
	Revision Date: 27Mar2020	FRM Number: SAF-FRM-13000.08

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal method:	Any disposal practice must be in compliance with local, state, and federal laws and regulations (contact local or state environment agency for specific rules). Do not dump bulk product in sewers, any body of water, or on the ground.
Recovery/Recycling:	Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations.

SECTION 14. TRANSPORT INFORMATION

DOT: (Department of Transportation)	UN 1987, ALCOHOLS, N.O.S.
TDG: (Transportation of Dangerous Goods)	UN 1987, ALCOHOLS, N.O.S.
IATA: (International Air Transport Association)	UN 1987, ALCOHOLS, N.O.S.
IMDG: (International Maritime Dangerous Goods)	UN 1987, ALCOHOLS, N.O.S.

SECTION 15. REGULATORY INFORMATION

National regulations:

TSCA: (Toxic Substance Control Act)	Not relevant.
OSHA Hazards:	Harmful by ingestion. Mild skin irritant. Moderate eye irritant.
EPCRA: (Emergency Planning and Community Right-to-Know Act)	Not relevant.
CERCLA: (Comprehensive Environmental Response, Compensation, and Liability Act)	This material does not contain any components with a Calculated Reportable Quantity (RQ).
SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 304:	This material does not contain any components with a section 304 EHS RQ.
SARA 311/312:	Fire Hazard, Acute Health Hazard.
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Clean Air Act:	This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

SDS: Product Company: Nutrix International Product: Alcohol Based Hand Sanitizer Product Code: BK40421	SDS Number: NUX-SDS-BK40421.01	SDS Page Number: 7 of 8
	Revision Date: 27Mar2020	FRM Number: SAF-FRM-13000.08

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489):

Glycerin (56-81-5)

Clean Water Act:

The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A:

None

The following Hazardous Chemicals are listed under the U.S. Clean Water Act, Section 311, Table 117.3:

None

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

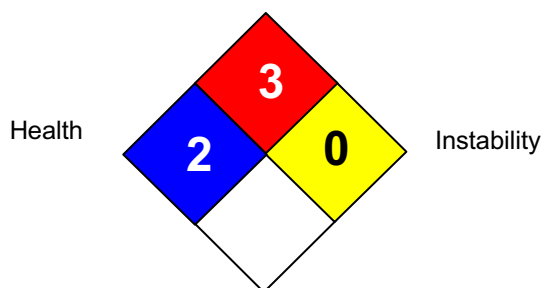
Right To Know by State:

- California (CA): California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
- Massachusetts (MA): Glycerin (56-81-5), Sodium Hydroxide (1310-73-2)
- New Jersey (NJ): Ethanol (64-17-5), Glycerin (56-81-5), Sodium Hydroxide (1310-73-2), Water (7732-18-5)
- Pennsylvania (PA): Ethanol (64-17-5), Glycerin (56-81-5), Sodium Hydroxide (1310-73-2), Water (7732-18-5)
- Rhode Island (RI): Sodium Hydroxide (1310-73-2)

SECTION 16. OTHER INFORMATION

NFPA:

Flammability



SDS: Product Company: Nutrix International Product: Alcohol Based Hand Sanitizer Product Code: BK40421	SDS Number: NUX-SDS-BK40421.01	SDS Page Number: 8 of 8
	Revision Date: 27Mar2020	FRM Number: SAF-FRM-13000.08

Special Hazard

HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = Not significant,
 1 = Slight,
 2 = Moderate,
 3 = High,
 4 = Extreme,
 * = Chronic

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