

Safety Data Sheet
HAND SANITIZER

Section 1 – Product and Company Information

Product Identifiers

Name SurfaceE Hand Sanitizer
 Number
 Brand SurfacePrep Company
 Product Use Hand Sanitizer – Spray Style
Supplier
 Name SurfacePrep - Division AFT
 Address 835 West River Center, Comstock Park, MI 49321
www.SurfacePrep.com
 Telephone (616) 785-0400 - (616) 785-0200 Fax
Emergency Phone (800) 424-9300 CHEMTREC - Poison Control 1-800-222-1222
 Prepared/Revised April 7, 2020

Section 2 – Hazards Identification

Classification of the substance or mixture.

Physical Hazards: Flammable Liquids 2 – H225
 Hazards: Skin Irritation 2 – H315
 Eye Irritation 2A – H319



GHS label elements and precautionary statements.

Pictogram Flame - Exclamation Mark
 Signal word Danger, Warning
 Prevention Keep away from heat, sparks, open flames and hot surfaces. No smoking.
 Avoid breathing dust/gas/fume/mist/vapors/spray.
 Wash skin thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Avoid release to the environment.
 Response IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor/ Seek immediate medical attention if you feel unwell
 If skin irritation persists: Get medical advice/ attention.
 If eye irritation persists: Get medical advice/ attention.
 In case of fire: Use dry chemical, foam or water fog to extinguish. Do not use direct water stream.
 Collect spillage.

Storage Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.

Disposal Dispose of contents/container in accordance with applicable regulations

Hazards not otherwise classified not covered by GHS - None

Supplemental Information. See Section 16 for alphanumeric H-Statements and P-Statements.

Section 3 – Composition/Information on Ingredients

Component	CAS Number	%Wt.
Ethanol	64-17-5	80
Water	7732-18-5	18
Hydrogen Peroxide	7722-84-1	.125
Glycerine	56-81-5	1.75

Section 4 – First Aid Measures

Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a poison control center and/or physician immediately.

Most important symptoms and effects, both acute and delayed: See Sections 2 and 11.

Indication of any immediate medical attention and special treatment needed: None known.

Poison Control: 1-800-222-1222

Section 5 – Fire Fighting Measures

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: May form toxic vapor/air mixtures.

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

NFPA Hazard Ratings

Health: 1
Fire: 3
Instability: 0

HMIS Hazard Ratings

Health: 1
Fire Hazard: 3
Physical Hazard: 0

Section 6 – Accidental Release Measures

Emergency Actions: Use personal protective equipment. Avoid breathing aerosols, mist or gas. Ensure adequate ventilation. Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up: Vacuum large spills. Dispose of as hazardous waste. Keep in suitable, closed containers for disposal. If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

Reference to other sections: For personal protection see Section 8. For disposal see Section 13.

Section 7 – Handling and Storage

Handling: Keep away from naked flames/heat. Keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed.

Storage: Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place.

Specific end uses: See Section 1.

Section 8 – Exposure Control and Personal Protection

Control parameters

Components with workplace control parameters:

Ethanol: 1,000 ppm

Engineering Controls: Not normally needed except if product use creates aerosols or mists requiring adequate ventilation respiratory protection describe below. The use of local exhaust ventilation is recommended to control emissions near the source. Provide appropriate ventilation of confined spaces. Use explosion-proof ventilation equipment.

Eye and Face: Dust can cause eye and, or skin irritation. Wear safety glasses.

Skin: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Use impervious Nitrile rubber gloves to avoid cuts and skin injuries.

Respiratory Protection: Wear an appropriate respirator in accordance with 29CFR 1910.134 or CSA Standard Z94.4-M1982 for dust exposure that may exceed recommended limits. Personal air monitoring is recommended to determine whether exposure exceeds limits. If adequate ventilation is not possible, then a self-contained breathing apparatus or an air supplied respirator is recommended. Respiratory Protection using a NIOSH approved dust mask is recommended where dust creation is likely. Respirators should only be used if the employer has implemented a written program that considers workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

General: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Control of environmental exposure: Do not let product enter drains.

Section 9 – Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (physical state, color, etc.)	Clear, colorless liquid.
Odor	Alcohol-like.
Odor threshold	Reported to be between 50 and 1,000 ppm
pH Neutral Melting point/freezing point	-29°C (-20°F)
Initial boiling point	77.8°C (172°F)
Flash point	(55°F)
Evaporation	1.7 (Butyl acetate = 1.0)
Flammability (solid, gas)	Flammable
Flammability or explosive limit	LOWER: 3.3% UPPER: 19% (Ethanol)
Vapor pressure	45 mm Hg @ 68 °F = 0.87 PSI @ 68°F
Vapor density	1.6 (Air = 1.0)
Density	Unknown
Solubility	Ethanol is soluble in water.
Partition coefficient:	n-octanol/water Not Available
Auto-ignition temperature	362.8°C (685°F) (Ethanol)
Decomposition temperature	Not Available

Note: Physical Data is typical values based on material tested but may vary based on composition. Values should not be accepted as guaranteed for every lot or as specifications for this product.

Section 10 – Stability and Reactivity

Reactivity: Does not react under normal conditions of use.

Chemical Stability: Stable under normal conditions of use.

Possibility of hazardous reactions: Vapors may form explosive mixture with air.

Conditions to avoid: Heat, flames and sparks.

Incompatible materials: Alkali metals, Ammonia, oxidizing agents, Peroxides Strong oxidizing agent's

Hazardous decomposition products: Hazardous decomposition products formed under fire conditions.
- Carbon oxides

Other decomposition products: In the event of fire: see section 5.

Section 11 – Toxicity Information

Information on Toxicological Effects;

Eye Effects: Hand Sanitizer vapor can produce eye tearing and a burning sensation. Liquid exposure causes pain, irritation, tearing and a burning sensation.

Skin Effects: Short-term exposure to Hand Sanitizer should not cause irritation or other skin effects. Prolonged or repeated exposure to Hand Sanitizer may cause skin irritation and dermatitis by de-fatting the skin. Hand Sanitizer may be absorbed through the skin.

Inhalation Effects: May cause upper respiratory irritation. Exposures to ethanol over 1,000 ppm may cause central nervous system (CNS) effects such as excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, loss of appetite, and an inability to concentrate. At higher concentrations there may be a loss of reflexes, convulsions, seizures, loss of consciousness, coma, respiratory arrest and death.

Ethanol: Inhalation LC-50, Rat (10 hour)= 20,000 PPM

Ingestion

Effects:

Toxic by ingestion. Ethanol is rapidly absorbed through the gastrointestinal tract and is normally metabolized and excreted in a few hours. Can be fatal or cause blindness if swallowed in extreme quantities. Ingestion can cause headache, nausea, dizziness or narcosis. Chronic over-exposure can cause damage to the gastrointestinal tract, CNS, liver, kidneys and cardiovascular system.

Ethanol: Oral LD-50, Rat= 7,060 mg/kg

The International Agency for Research on Cancer (IARC) determined that alcoholic beverages are carcinogenic to humans and the occurrence of malignant tumors in the oral cavity, pharynx, larynx, esophagus and liver is causally related to the consumption of alcohol. The American Conference of Governmental Hygienists lists ethanol as not classifiable as a carcinogen (Category **A4**). Animal studies do not provide indications of carcinogenicity.

Reproductive & Developmental Effects: May cause defects in the CNS, heart, kidney, lungs, gastrointestinal tract and limbs.

Section 12 – Ecological Information

Ecotoxicity:

2.1 Toxicity 12.2 Persistence and degradability - 12.3 Bioaccumulative potential - 12.4 Mobility in soil
No data available
12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
12.6 Other adverse effects - No data available

Section 13 – Disposal Consideration

Product: Contact a licensed professional waste disposal service to dispose of this material. Product Offer surplus and non-recyclable solutions to a licensed disposal company. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging: Dispose of as unused product.

Section 14 – Transport Information

US DOT	UN1170, Ethanol, or Ethyl Alcohol, 3, PG II
TDG	UN1170, Ethanol, or Ethyl Alcohol, 3, PG II

Section 15 – Regulatory Information

TSCA Inventory Status All ingredients are listed on the TSCA inventory.

DSCL (EEC) All ingredients are listed on the DSCL inventory.

SARA 302 Not Listed

SARA 304 Not listed

SARA 311 Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 312 Fire Hazard, Acute Health Hazard, Chronic Health Hazard

States: PA RTK: IPA – Water – California Proposition 65 Not Listed

WHMIS Canada Class B-2: Flammable and combustible liquid- Flammable liquid

Class D-2B: Poisonous and infectious material- Other effects- Toxic

Section 16 – Other Information

Alphanumeric H-Statements and P-Statements.

H225 - Highly flammable liquid and vapors.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.



Safety Data Sheet
HAND SANITIZER

- P201** - Obtain special instructions before use.
- P202** - Do not handle until all safety precautions have been read and understood.
- P210** - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
- P233** - Keep container tightly closed.
- P235** - Keep cool.
- P240** - Ground and/or bond container and receiving equipment.
- P241** - Use explosion-proof - electrical, ventilating and/or lighting equipment.
- P242** - Use only non-sparking tools.
- P243** - Take precautionary measures against static discharge.
- P264** - Wash thoroughly after handling .
- P273** - Avoid release to the environment.
- P281** - Use personal protective equipment as required.

- P370+P378** - In case of fire: Use appropriate media Carbon Dioxide, "alcohol -type foam," or dry chemical for extinction.

- P302+P352** - IF ON SKIN: Wash with plenty of soap and water.
- P362** - Take off contaminated clothing and wash before reuse.
- P332+P313** - If skin irritation occurs: Get medical advice/attention.
- 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.
- P321** - Specific treatment, see supplemental first aid information.
- P308+P313** - IF exposed or concerned: Get medical advice/attention.

- P405**- Store locked up.
- P403+P235** - Store in a well-ventilated place. Keep cool.
- P501** - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product regarding appropriate safety precautions.

This Safety Data Sheet (SDS) was prepared in accordance with 29 CFR 1910.1200. The information on this SDS was obtained from sources deemed to be reliable. The information is provided without any warranty, expressed, or implied, regarding its correctness. Information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The end user of Hand Sanitizer has the responsibility for evaluating the adequacy of the data under the conditions of use, for determining the safety, toxicity, and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. SurfacePrep does not assume responsibility and expressly disclaims liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of hand sanitizer. If the product is used as a component in another product this SDS information may not be applicable.