

APEX ENGINEERING PRODUCTS CORPORATION
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SAFETY DATA SHEET

Revised April, 2020

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product Identifier

Hand Sanitizer

Aqueous sanitizing agent formulated according to World Health Organization recommendations.

Manufacturer Information

Apex Engineering Products Corporation, established 1942
1241 Shoreline Drive
Aurora, Illinois 60504
An ISO 9001:2015 Certified Company
FDA Registered Facility



Emergency Phone (Chemtree): 800-424-9300 (Domestic)

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard.

Flammable Liquid: Category 2
Eye Irritation: Category 2A
Specific target organ toxicity: Category 3

Hazard pictograms:



Signal word: Warning

Hazard statements:

H226: Flammable liquid and vapor.
H319: Causes serious eye irritation.

Precautionary statements:

(Prevention) P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

- (Response) P303+P363: IF ON SKIN: Wash contaminated clothing before reuse.
P370+P378: In case of fire: Use dry chemical, carbon dioxide (CO₂), foam, or water spray to extinguish.
- (Storage) P403+P235: Store in a well ventilated place. Keep cool.
- (Disposal) P501: Dispose of contents in accordance with all applicable federal, state, and local regulations.

Other hazards: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Not applicable.

Mixture: Chemical characterization (preparation).

CAS	PRODUCT NAME: Hand Sanitizer	% by Weight
67-63-0	Isopropyl Alcohol	75
56-81-5	Glycerin	< 1
7722-84-1	Hydrogen Peroxide	< 1
7732-15-5	Water	Balance

Product is manufactured according to recommended World Health Organization Guidance.

4. FIRST AID MEASURES

Description of first aid measures

After inhalation: Move to fresh air. If breathing problems develop, call a doctor.

After skin contact: Not applicable.

After eye contact: If in eyes, rinse slowly and gently with water for 15–20 minutes. If present, remove contact lenses. Call a poison control center or doctor for further treatment advice.

After swallowing: Do not induce vomiting. Call a doctor or poison control center.

Most important symptoms and effects, both acute and delayed

See Section 11 for information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Dry chemical, carbon dioxide (CO₂), foam, or water spray.

Unsuitable media: None known.

Specific hazards arising from the mixture: Alcohol flames may not be readily visible. Vapors are heavier than air and may travel to source of ignition and flash back.

Hazardous Combustion Products: Oxides of carbon.

Advice for firefighters

Protective equipment: As in any fire, wear self-contained breathing apparatus pressure-demand. Keep containers cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ensure adequate ventilation. Use personal protective equipment as required. Eliminate all potential sources of ignition. Take precautionary measures against static discharges.

Environmental precautions: Prevent entry into surface water or sanitary sewers. See Section 12 for additional ecological information.

Methods and materials for containment and cleaning up: Prevent further leakage or spillage if safe to do so. Eliminate all potential sources of ignition, and ventilate area. Absorb and containerize. Do not flush into surface water or sanitary sewer system.

7. HANDLING AND STORAGE

Precautions for safe handling: Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks, and flames. Do not eat, drink, or smoke when using this product.

Condition for safe storage: Store in accordance all applicable regulations and fire codes. Keep containers tightly closed in a cool, well-ventilated place away from heat, sparks, open flames, and hot surfaces.

Incompatible products: Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³	TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Exposure controls

Engineering: Showers, eyewash stations, ventilation systems.

Personal protective equipment: None required for consumer use. If splashes are likely to occur, wear safety glasses.

Respiratory equipment: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Thin liquid
Appearance:	Clear
Odor:	Alcohol
pH:	5-7
Freezing point:	No data available
Initial boiling point:	82°C (180°F)

Flash point:	18°C (65°F)
Evaporation rate:	< 1
Flammability Limits in Air:	
Lower explosive limit (LEL)	No data available
Upper explosive limit (UEL)	No data available
Vapor Pressure:	30mm Hg 20°C
Density (g/cm³):	Approximately 0.9
Solubility in Water:	Complete
Kinematic viscosity:	No data available

10. STABILITY AND REACTIVITY

Reactivity: No special reactivity reported, hazardous polymerization will not occur.

Chemical stability: Stable under recommended storage conditions.

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

Conditions to Avoid: Keep away from heat, sparks, open flames, and hot surfaces.

Incompatible materials: Strong oxidizers

Hazardous decomposition: Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation: Inhalation of high concentrations of vapor or mist may cause dizziness.

Eye contact: May cause slight irritation.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Component information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	4.4 g/kg (Rat)	12.9 g/kg (Rabbit)	16000 (Rat, 8 h)

Information on toxicological effects

Symptoms: May cause slight redness and tearing of eyes.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Product is expected to have low toxicity to aquatic organisms.

Bioaccumulation potential:

Chemical Name	Partition Coefficient
Isopropyl Alcohol (67-63-0)	0.05

Mobility in soil: The components of this product are water soluble and highly mobile in soil.

Results of PBT and vPvB assessment: No data available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Dispose of material in accordance with the local, State, Provincial, and Federal regulations for your location.

Contaminated packaging: Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION

UN Number: UN 1219
UN proper shipping name: ISOPROPANOL
Transport hazard class(es): 3
Packing group: II
Labels: FLAMMABLE LIQUID
Limited Quantities for packages not over 1 liter
Exempt DOT-SP 9275 for packages under 1 gallon.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for substance or mixture

U.S. Federal Regulations

OSHA Hazard Communication Standard: This material is classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

OSHA Process Safety Management Standard: Components of this product are not regulated under OSHA PSM Standard 29 CFR 1910.119.

TSCA Status: All components of this product are listed as active on the Toxic Substance Control Act (TSCA) Inventory.

SARA Section 311/312 Hazard Categories: Acute Health Hazard, Fire Hazard.

SARA 313 Information: Not listed.

Comprehensive Response Compensation and Liability Act (CERCLA): Not reportable.

Clean Air Act (CAA): This product does not contain any chemicals that are listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

Clean Water Act (CWA): None of the chemicals in this product are listed as Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains no component(s) known to the state of California to cause cancer or other reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island
Isopropyl Alcohol (67-63-0)	X	X	X	X

16. OTHER INFORMATION

NFPA: Health Hazard: 2 Flammability: 3 Instability: 2 Physical/Chemical Hazards: -
HMIS: Health Hazard: 2 Flammability: 3 Physical Hazard: 0 Personal Protection: -

**FOR ADDITIONAL INFORMATION, PLEASE CONTACT OUR MANUFACTURING FACILITY
AT 630-820-8888 OR OUR WEBSITE AT www.ApexEngineeringProducts.com.**

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