

Safety Data Sheet

Revision Number: 001.0
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1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product identifier used on the label: D&P Hand Sanitizer; Vira Gel

Recommended use of the chemical and restrictions on use: Hand sanitizer, Do not use on broken skin.

Name, address and telephone number of the chemical manufacturer:

D&P products, @ ARtech Packaging
18 Taylor Avenue
Bethel, CT 06801

ARtech: 1-203-733-0192 (24 hours daily)
Internet: www.artechpackaging.com

Emergency telephone number: Medical Emergencies: 1-203-733-0162

2. HAZARD IDENTIFICATION

The hazards described in this OSHA Globally Harmonized System Safety Data Sheet (SDS) are 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.

Classification of the substance or mixture in accordance with paragraph (d) of §1910.1200

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	3
SKIN IRRITATION	2
EYE IRRITATION	2A
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Signal word: WARNING
Hazard Statement(s): Flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.



Symbol(s):

Precautionary Statements:

Prevention: Keep away from heat, sparks, open flames, hot surfaces - no smoking.
Keep container tightly closed.
No release into water.
Use explosion-proof equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing vapors, mist, or spray.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.

Response:

Wear protective gloves, eye protection, and face protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing.

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If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing.
 In case of fire: Use foam, dry chemical or carbon dioxide to extinguish. Store in a well-ventilated place. Keep container tightly closed.
Storage: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.
Disposal:

Hazards not otherwise classified: Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as health hazards in accordance with paragraph (d) of § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
Ethyl Alcohol	64-17-5	50-55%
Isopropanol	67-63-0	5-15%

*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld because a trade secret is claimed in accordance with paragraph (i) of §1910.1200.

4. FIRST AID MEASURES

Description of necessary measures

Inhalation: First aid measures not required.
Skin contact: First aid measures not required. Cosmetic product and therefore not necessary.
Eye contact: Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation develops.
Ingestion: Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center.

Most important symptoms and effects, both acute and delayed

After eye contact: Moderate to strong irritation of the eyes (redness, swelling, burning, watering eyes). After skin contact: Temporary irritation of the skin (redness, swelling, burning). After inhalation: Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache. After ingestion: Ingestion may cause irritation of mouth, throat, digestive tract, diarrhea and vomiting.

Indication of any immediate medical attention and special treatment needed

After eye contact: Immediately rinse eyes with plenty of water for at least 15 minutes while holding eyelids open. After skin contact: Rinse affected area with large amounts of mild soap and water until no evidence of product remains. After inhalation: Remove from exposure area to fresh air. After ingestion: Dilution by rinsing the mouth and giving water or milk to drink is generally recommended.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Dry chemical, carbon dioxide, water spray or regular foam.
Unsuitable extinguishing media: None known

Specific hazards arising from the chemical

Oxides of carbon and oxides of nitrogen.

Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Shut off all ignition sources. Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as a fog, solid streams may be ineffective. Avoid breathing hazardous vapors, keep upwind.

6. ACCIDENTAL RELEASE MEASURES

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Personal precautions, protective equipment and emergency procedures

Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if you can do it without risk. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

Environmental Precautions

Small or household quantities may be disposed in sewer or other liquid waste system. For larger quantities check with your local water treatment plant.

Methods and materials for containment and cleaning up

Shut off ignition sources. Stop leak if you can do it without risk. No smoking, flames or flares in hazard area. Keep unnecessary people away; isolate hazard area and deny entry. **SMALL SPILLS:** Contain and absorb with sand or other non-combustible absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. **LARGE SPILLS:** Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not get in eyes. Do not take internally. Use with adequate ventilation. Avoid generating aerosols and mists. Keep the containers closed when not in use.

Conditions for safe storage, including any incompatibilities

Flammable liquid. Store away from incompatible substances, excessive heat, flames, sparks or other ignition sources. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	OSHA PEL	AIHA WEEL	OTHER
Ethyl Alcohol	1,000 ppm	None	None
Isopropanol	400 ppm	None	None

Appropriate engineering controls

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

Individual protection measures

Respiratory: If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

Eye: Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.

Hand/Body: Chemical resistant gloves are required where repeated or prolonged skin contact may occur. Protective clothing is required where repeated or prolonged skin contact may occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	gel, colorless
Odor:	alcohol-like
Odor threshold:	Not available
pH:	6.0 - 7.0
Melting point/ range:	-173F.
Boiling point/range:	170-180F.
Flash point:	(70 °F)
Evaporation rate:	Not available. Flammable/Explosive limits - lower: 3.0% . Flammable/Explosive limits - upper:
Vapor pressure:	Not available.
Vapor density:	Not available.
Solubility in water:	Mixes
Not reactive. Partition coefficient (n-octanol/water)	Not available. Autoignition temperature:
Decomposition temperature:	Not available. Decomposition temperature:
	Not

available. **Viscosity:** 20,00
 0 – 45,000 cps
VOC content: Not available.
Specific gravity: 0.810-0.9g/ml.

10. STABILITY AND REACTIVITY

Reactivity: This product may react with acids.
Chemical stability: Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).
Possibility of hazardous reactions: Hazardous polymerization does not occur under normal temperatures and pressures.
Conditions to avoid: Avoid storing in direct sunlight and avoid extremes of temperature.
Incompatible materials: Strong oxidizers and reducing agents.
Hazardous decomposition products: Thermal decomposition may release oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure including symptoms related to characteristics

Inhalation: Not an anticipated route of exposure. Intentional inhalation of vapors from product may cause central nervous system effects and irritation of the throat and lungs with coughing.
Skin contact: Not a hazard under normal use conditions.
Eye contact: May cause moderate to severe irritation.
Ingestion: Ingestion of large quantities may cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Physical/Chemical: The product is flammable.

Other relevant toxicity information:

This product is a personal care or cosmetic product. Direct contact with eyes may cause moderate to severe irritation. No adverse effects are anticipated to skin from normal use.

Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Ethyl Alcohol	Oral LD50 (RAT) = 6.2 g/kg Inhalation LC50 (RAT, 10 h) = 20000 ppm	Central nervous system, Irritant
Isopropanol Alcohol		Central nervous system, Irritant

Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Ethyl Alcohol	No	No	No
Isopropanol Alcohol	NO	No	No

Carcinogenicity IARC classifies ethanol as "Human Sufficient Evidence" from chronic ingestion of alcoholic beverages.
Mutagenicity None of the ingredients in this product are known to cause mutagenicity.
Toxicity for reproduction Ethanol crosses the placenta and can cause acute intoxication of the newborn or teratogenic effects, including fetal alcohol syndrome.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

Toxicity to fish:

The aquatic toxicity profile of this product has not been determined.

Toxicity to aquatic invertebrates:

The aquatic toxicity profile of this product has not been determined.

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Toxicity to algae:

The aquatic toxicity profile of this product has not been determined.

Persistence and Degradability: The persistence and degradability of this product has not been determined.

Bioaccumulation Potential: The bioaccumulation potential of this product has not been determined.

Mobility: The mobility of this product (in soil and water) has not been determined.

13. DISPOSAL CONSIDERATIONS

Waste Number and Description: D001 (Ignitable)

Disposal Considerations:

Disposal of products: This product is a RCRA characteristic (ignitable) hazardous waste and must be disposed of in a RCRA Subtitle C landfill.

Disposal of packages: Do not reuse this container.

Additional information: Observe all federal, state and local regulations when storing or disposing of this substance

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: ORM-D Consumer Commodity – Limited Quantity
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: ID 8000 Consumer Commodity – Limited Quantity, Miscellaneous 9 Label
Hazard class or division: None
Identification number: None **Packing group:** None

Water Transportation (IMO/IMDG)

Proper shipping name: Ethanol (Ethyl Alcohol Solutions), Limited Quantity
Hazard class or division: 3 **Identification number:** UN 1170 **Packing group:** III

15. REGULATORY INFORMATION

Occupational Safety and Health Act: Hazard Communication Standard, 29 CFR 1910.1200(g) Appendix D: The Occupational Safety and Health Administration (OSHA) require that the Safety Data Sheets (SDSs) are readily accessible to employees for all hazardous chemicals in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain health hazard information not relevant to consumer use.

United States Regulatory Information:

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: None above reporting
de minimis CERCLA/SARA Section 302: None
 above reporting de minimis **CERCLA/SARA Section 311/312:** Not available.
CERCLA/SARA Section 313: None above reporting de minimis
California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information:

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

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This safety data sheet contains changes from the previous version in sections: None

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