

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078928298

N/A

# MATERIAL SAFETY DATA SHEET

## SECTION 1.

DISTRIBUTOR'S NAME:  
ADDRESS:  
REGULAR TELEPHONE:  
TRADE NAME:

## CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Best Sanitizers, Inc.  
154 Mullen Drive Walton, KY 41094  
888-225-3267  
ALPET D2 Surface Sanitizer Wipes  
EMERGENCY TELEPHONE: CHEMTREC (800) 424-9300  
SYNONYMS: Sanitizer Wipe

## SECTION 2.

MATERIAL/COMPONENT:  
Isopropanol (Isopropyl Alcohol)

## COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	%	HAZARD DATA
67-63-0	55-75 %	TLV 1000ppm

## SECTION 3.

EMERGENCY OVERVIEW DESCRIPTION:

A clear alcohol based sanitizer wipe with a strong alcohol odor.  
*NOTE: WARNINGS BELOW ARE FOR EXPOSURE TO LARGE QUANTITIES OF THE PRODUCT. NORMAL USAGE SHOULD NOT CREATE HAZARDOUS CONDITIONS.*

### POTENTIAL HEALTH EFFECTS

ISOPROPYL ALCOHOL: Acute Oral LD<sub>50</sub> = >5000mg/kg (Rat)  
Acute Dermal LD<sub>50</sub> => 2000 mg/kg (Rabbit)  
Inhalation LC50 = 5000 ppm/1 hr. (Rat)

### ROUTES OF EXPOSURE:

INHALATION: None expected under foreseeable conditions. Exposure to high levels of Isopropanol I can cause irritation to nose & throat and narcotic effects as listed under Ingestion.

SKIN CONTACT: None anticipated under foreseeable use conditions. May cause open cuts to burn or sting.

SKIN ABSORPTION: See skin contact. Excessive contact time not anticipated with normal use.

EYE CONTACT: Vapors may irritate the eyes.

INGESTION: May cause nausea and vomiting. Ingestion of large amounts can cause drowsiness, unconsciousness, cramps and even death

### EFFECTS OF OVEREXPOSURE:

ACUTE OVEREXPOSURE: Irritation of skin, eyes and mucous membranes. (See also skin ingestion.)

CHRONIC OVEREXPOSURE: Persons with existing skin problems should consult a physician before consistent use of this product.

## SECTION 4.

## EMERGENCY & FIRST AID PROCEDURES

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes. Hold eyelids apart while flushing. Get medical attention immediately.

SKIN: For accidental exposure to large quantities, not normal usage. Immediately flush with water. Wash with soap and water.

INHALATION: For accidental exposure to large quantities, not normal usage. Move person to fresh air. If breathing stops, give artificial respiration, get medical attention immediately.

INGESTION: Never give anything by mouth to an unconscious person. Give 250 ml (8oz) of water do not induce vomiting. If vomiting occurs spontaneously, keep airway clear. Get medical attention immediately.

**OBJECT IS TO SEEK MEDICAL ATTENTION IMMEDIATELY**

## SECTION 5.

## FIRE FIGHTING MEASURES

FLASH POINT (Pensky-Martin closed cup): 70.68 °F (21.49°C)

FLAMMABLE LIMITS IN AIR, % BY VOLUME: Isopropanol LOWER: 2.0 HIGHER: 12.7

EXTINGUISHING MEDIA: Use carbon dioxide (CO<sub>2</sub>), dry chemicals, water fog or foam where this product is stored.

SPEC. FIRE FIGHT PROCEDURES: Caution: Flammable. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots, including a positive pressure NIOSH breathing apparatus). Cool fire exposed containers with water spray.

UNUSUAL FIRE & EXPOSURE HAZARD: Containers exposed to heat from fires should be cooled with water spray to prevent pressure build up which could rupture container, containers exposed to direct flame should be cooled with large quantities of water.

## SECTION 6.

## ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Stop spill. Contain spill. Absorb on inert material such as sand, clay, etc. Shovel into approved containers, close, label and send to approved hazardous chemical dump. Neutralize remaining traces. Flush area with water.

NEUTRALIZING CHEMICALS: NA

WASTE DISPOSAL METHOD:

The materials resulting from clean-up operations may be hazardous wastes and therefore subject to specific regulations. Package, store, transport and dispose of all clean-up materials in accordance with all applicable federal, state and local health and EPA regulations.

## SECTION 7.

## HANDLING & STORAGE REQUIREMENTS

STORE IN A COOL, DRY PLACE, KEEP AWAY FROM HEAT. KEEP AWAY FROM HYPOCHLORITE AND STRONG OXIDIZERS.

Keep liquid and vapor away from heat, sparks and flame. Surfaces that are sufficiently hot any ignite even liquid products in the absence of sparks or flame.

Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Vapors may accumulate and travel to ignition sources distant from the handling site; flash-fire can result. Keep containers closed when not in use. Use with adequate ventilation.

Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**VENTILATION REQUIREMENTS:** Use exhaust ventilation to keep airborne concentrations below exposure limits. Special ventilation not usually required. (Ethanol: TLV 1000ppm)

**PERSONAL PROTECTIVE EQUIPMENT: SHOULD ONLY BE NEEDED IF HANDLING LARGE QUANTITIES NOT FOR NORMAL USAGE**  
**Respiratory:** Avoid breathing mists or vapors. Use of NIOSH/MSHA approved respirator protection is required when TLV values for airborne materials are met or exceeded. Respiratory protection must be in compliance with 29 CFR 1910.134 & other applicable regulation.

**Eye:** OSHA approved chemical splash goggles. NEVER WEAR CONTACT LENSES. Eye protection must conform to ANSI Z87.1 - 1989.

**Gloves:** Always wear permeation resistant gloves (neoprene, butyl & other rubbers). Consult with glove manufacturer for most resistant glove to material handled.

**Other clothing equipment:** Impervious protective clothing such as rain suits and rubber boots. An emergency eye wash and shower should be in the chemical storage area plus in any area where chemicals are mixed.

**SECTION 9. PHYSICAL & CHEMICAL PROPERTIES**

<b>BOILING POINT:</b>	180°F	<b>MELTING POINT:</b>	NA
<b>FREEZING POINT:</b>	NA	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	0.89
<b>VAPOR PRESSURE:</b>	30 mmHg at 20°C	<b>VAPOR DENSITY (AIR=1)</b>	NA
<b>SOLUBILITY IN H<sub>2</sub>O, % BY WT:</b>	Soluble	<b>% VOLATILE BY VOLUME:</b>	< 60%
<b>EVAPORATION RATE:</b>	NA	<b>APPEARANCE &amp; ODOR:</b>	Clear solution on white pre-moistened wipe with a strong alcohol odor

**pH:** NA

**SECTION 10. STABILITY & REACTIVITY**

**CONDITIONS CONTRIBUTING TO INSTABILITY:** Under normal conditions this product is stable.  
**INCOMPATIBILITY:** Do not mix with strong oxidizing agents. Keep away from ignition sources.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon.  
**CONDITIONS CONTRIBUTING TO HAZ. POLYMERIZATION:** None

**SECTION 11. TOXICOLOGICAL INFORMATION**

Consult Section 3. If more detailed information is required, write to the address listed in Section 1, Attention: Technical Department.

**SECTION 12. ECOLOGICAL INFORMATION**

This product does not contain phosphates.

**SECTION 13. DISPOSAL CONSIDERATION**

The materials resulting from clean-up operations may be hazardous wastes and therefore subject to specific regulations. Package, store, transport and dispose of all clean-up materials in accordance with all applicable federal, state and local health & EPA regulations.

**SECTION 14. TRANSPORT INFORMATION**

Regulatory Information	UN number	Proper shipping Name	Class	Packing Group	Other Information
DOT Classification	UN 1219	ISOPROPANOL	3	II	ORM-D for packages under 1 liters Exempt DOT-SP 9275 for packages under 1 gallon

**SECTION 15. REGULATORY INFORMATION**

**HCS Classification:** Flammable liquid, Irritating material  
**U. S. Federal Regulations:** SARA 302/304/311/312 Extremely Hazardous Substances: No products found  
 SARA 302/304 Emergency Planning and Notification: No products found  
**TSCA 8(b) inventory:** All materials listed or exempt  
**California Prop 65:** Not Listed

**SECTION 16. OTHER INFORMATION**

<b>HMIS Rating Health</b>	<b>2</b>	<b>NFPA Rating</b>	<b>Health</b>	<b>1</b>
<b>Flammability</b>	<b>3</b>		<b>Fire</b>	<b>3</b>
<b>Physical Hazards</b>	<b>0</b>		<b>Reactivity</b>	<b>0</b>

Does not apply to exposure hazards other than during a fire:

All information, recommendations and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable, however, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee expressed or implied, is made by Best Sanitizers, Inc. as to the effect of such use, the results to be obtained, or the safety and toxicity of the product nor does Best Sanitizers, Inc. assume liability arising out of use by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions exist because of applicable laws or government regulations.

**PREPARED BY:** Duncan C. Badertscher

**DATE:** 4 January 2011

# SAFETY DATA SHEET



## 1. IDENTIFICATION

### Product identifier

**Product Name** ALPET D2 Surface Sanitizer

### Other means of identification

**Synonyms** Sanitizer-Disinfectant

### Recommended use of the chemical and restrictions on use

**Recommended uses** Surface Sanitizer, Disinfectant, Cleaner

**Distributor Address** Best Sanitizers, Inc.  
PO Box 1360  
Penn Valley, CA 95946

### Emergency telephone number

**Emergency Phone Numbers** For Transportation Emergencies,  
call Chemtrec: 1-800-424-9300


This is an EPA registered surface sanitizer product that is safe for users under normal and reasonably foreseeable use. This SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

## 2. HAZARDS IDENTIFICATION

### Classification

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Flammable liquids	Category 2
Eye Irritation	Category 2A

<b>Signal word</b>	<b>Warning</b>		
<b>Hazard statements</b>	Highly flammable liquid and vapor		
			
<b>Appearance</b>	Clear, colorless	<b>Physical State</b>	Thin liquid
			<b>Odor</b> Alcohol

**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
 Keep container tightly closed.  
 Ground/bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/lighting equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.

**Precautionary Statements - Response**

If on skin: Wash contaminated clothing before reuse.  
 In case of fire: Use dry chemical, carbon dioxide (CO<sub>2</sub>), foam, or water spray to extinguish.

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool.

**Precautionary Statements - Disposal**

Dispose of contents in accordance with all applicable federal, state, and local regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight %	Trade Secret
Isopropyl alcohol	67-63-0	55 - 65	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures**

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Hold eyes open and 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. Get Medical attention if irritation persists.
<b>Skin Contact</b>	treatment advice. Get Medical attention if irritation persists.
<b>Inhalation</b>	Move to fresh air. If breathing problems develop, call a doctor.
<b>Ingestion</b>	Do not induce vomiting. Treat symptomatically.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** See Section 11 for information.

**Indication of any immediate medical attention and special treatment needed**

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Dry chemical, carbon dioxide (CO<sub>2</sub>), foam, or water spray.

### Unsuitable Extinguishing Media

Use of High Volume water jet when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

Alcohol flames may not be readily visible. Vapors are heavier than air and may travel to source of ignition and flash back. Vapors may form explosive mixtures with air.

### Hazardous Combustion Products

Oxides of carbon.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Keep containers cool with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

#### **Personal Precautions**

Ensure adequate ventilation. No special equipment needed in normal conditions. 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 material for containment and cleaning up

#### **Methods for Containment**

#### **Methods for 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

**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.

### Conditions for safe storage, including any incompatibilities

**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

#### Exposure Guidelines

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 <sup>3</sup>	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

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.

### Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** None required for consumer use. If splashes are likely to occur, wear safety glasses.

**Skin and Body Protection** No special equipment needed in normal conditions.

**Respiratory Protection** 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 practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b> <b>Appearance</b> <b>Color</b>	Thin liquid Clear colorless	<b>Odor</b> <b>Odor Threshold</b>	Alcohol No information available
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<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	5 - 7	None known
Melting/freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	~21°C (closed cup)	None known
Evaporation rate	< 1	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	44 hPa 20°C	None known
Vapor density	No data available	None known
Specific Gravity	~0.87	None known
Water Solubility	Complete	None known
Solubility in other solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known



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## 10. STABILITY AND REACTIVITY

### **Reactivity**

Stable.

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of Hazardous Reactions**

None known.

### **Conditions to avoid**

Keep away from heat, sparks, open flames, and hot surfaces.

### **Incompatible materials**

Strong oxidizers.

### **Hazardous Decomposition Products**

None known.

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## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure**

#### **Product Information**

<b>Inhalation</b>	Inhalation of high concentrations of vapor or mist may cause headaches, dizziness, nausea.
<b>Eye Contact</b>	May cause irritation or redness.
<b>Skin Contact</b>	No known significant effects or critical hazards.
<b>Ingestion</b>	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.

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## 12. ECOLOGICAL INFORMATION

### Persistence and Degradability

No information available.

### Bioaccumulation

Chemical Name	Log Pow
Isopropyl alcohol 67-63-0	0.05

### Other adverse effects

No information available.

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## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Dispose of in accordance with all applicable federal, state, and local regulations.

### Contaminated Packaging

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

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## 14. TRANSPORT INFORMATION

### DOT

UN/ID/NA number : UN 1219

Proper shipping name : ISOPROPANOL

Class : 3

Packing group : II

Labels : FLAMMABLE LIQUID

Limited Quantities for packages under 1 Liter

Exempt DOT- SP 9275 for packages under 1 gallon.

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## 15. REGULATORY INFORMATION

### Chemical Inventories

#### TSCA

All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

#### DSL/NDSL

All components are on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. EPA Label Information****EPA Pesticide Registration Number** 73232-1

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label includes other important information, including directions for use.

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

<b>Chemical Name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>	<b>Rhode Island</b>
Isopropyl alcohol 67-63-0	X	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health Hazard 2	Flammability 3	Instability 0	Physical and Chemical Hazards -
<b><u>HMIS</u></b>	Health Hazard 2	Flammability 3	Physical Hazard 0	Personal Protection -
<b>Prepared By</b>	Technical Department			
<b>Preparation/Revision Date</b>	January 2, 2020			
<b>Version</b>	2			

**General Disclaimer**

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 a 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 combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**