SAFETY DATA SHEETS

This SDS packet was issued with item:

078928298

N/A

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

DISTRIBUTOR'S NAME: Best Sanitizers, Inc.
ADDRESS: 154 Mullen Drive Walton, KY 41094
REGULAR TELEPHONE: 888-225-3267 **EMERGENCY TELEPHONE: CHEMTREC (800) 424-9300**
TRADE NAME: ALPET D2 Surface Sanitizer Wipes **SYNONYMS: Sanitizer Wipe**

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL/COMPONENT:	CAS #	%	HAZARD DATA
Isopropanol (Isopropyl Alcohol)	67-63-0	55 -75 %	TLV 1000ppm

SECTION 3. HAZARDS INFORMATION

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_{50} = >5000mg/kg (Rat)
Acute Dermal LD_{50} => 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 l 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 ºF (21.49ºC)
FLAMMABLE LIMITS IN AIR, % BY VOLUME: Isopropanol LOWER: 2.0 HIGHER: 12.7
EXTINGUISHING MEDIA: Use carbon dioxide ($C0_2$), 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.

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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

BOILING POINT:	**180°F**	**MELTING POINT:**	**NA**
FREEZING POINT:	**NA**	**SPECIFIC GRAVITY (H_20=1):**	**0.89**
VAPOR PRESSURE:	**30 mmHg at 20°C**	**VAPOR DENSITY (AIR=1)**	**NA**
SOLUBILITY IN H_20, % BY WT:	**Soluble**	**% VOLATILE BY VOLUME:**	**< 60%**
EVAPORATION RATE:	**NA**	**APPEARANCE & ODOR:**	**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 Infomation
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

HMIS Rating Health	**2**	**NFPA Rating**	**Health 1**
Flammability	**3**		**Fire 3**
Physical Hazards	**0**		**Reacitivity 0**

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**

Obtained by Global Safety Management, 1-813-435-5161 - www.GSMSDS.com

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

Signal word **Warning**

Hazard statements
Highly flammable liquid and vapor



Appearance Clear, colorless **Physical State** Thin liquid **Odor** 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_2), 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

General Advice Show this safety data sheet to the doctor in attendance.

Eye Contact 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.

Skin Contact

Inhalation Move to fresh air. If breathing problems develop, call a doctor.

Ingestion 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

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical, carbon dioxide (CO_2), 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^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.

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

Physical State	Thin liquid		
Appearance	Clear	**Odor**	Alcohol
Color	colorless	**Odor Threshold**	No information available

Property	**Values**	**Remarks/ Method**
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

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.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Inhalation of high concentrations of vapor or mist may cause headaches, dizziness, nausea.
Eye Contact	May cause irritation or redness.
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

Persistence and Degradability

No information available.

Bioaccumulation

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

Other adverse effects

No information available.

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.

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.

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 import 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

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	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

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**	0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard**	2	**Flammability**	3	**Physical Hazard**	0	**Personal Protection** -

Prepared By Technical Department

Preparation/Revision Date January 2, 2019

Version 1

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