

## 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.

## 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<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



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SDS

**Common Name:** ALPET D2 SURFACE SANITIZER WIPES

**Manufacturer:** BEST SANITIZERS

**SDS Revision Date:** 1/1/2016

**SDS Format:** GHS-US

**Item Number(s):** 33X328, 36P196, 36P197

**Manufacturer Model Number(s):**

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BS(R\*)  
BEST SANITIZERS INC.  
  
SAFETY DATA SHEET  
  
ALPET D2 SURFACE SANITIZER WIPES

**SECTION 1 PRODUCT DESCRIPTION**



PRODUCT NAME: ALPET D2 SURFACE SANITIZER WIPES  
  
RECOMMENDED USES: RTU SURFACE SANITIZER  
  
SYNONYMS: SANITIZER WIPES  
  
DISTRIBUTOR:  
BEST SANITIZERS, INC.  
PO BOX 1360  
PENN VALLEY, CA 95946  
  
CHEMICAL INFORMATION EMERGENCY:  
CHEMTREC: 1.800.424.9300

SECTION 2 HAZARD IDENTIFICATION



OSHA REGULATORY STATUS:  
THIS CHEMICAL IS CONSIDERED HAZARDOUS BY THE 2012 OSHA HAZARD COMMUNICATION, 29 CFR SUBSECTION 1910.1200:  
THIS MATERIAL IS AN EPA REGISTERED DISINFECTANT FOR INDUSTRIAL, INSTITUTIONAL AND CONSUMER USE THAT IS SAFE FOR CONSUMERS/WORKPLACES WITH INTENDED AND REASONABLE FORESEEABLE USE. PLEASE FOLLOW LABEL DIRECTIONS.

NOTE:  
WARNINGS BELOW ARE FOR EXPOSURE TO LARGE QUANTITIES OF THE PRODUCT. NORMAL USAGE SHOULD NOT CREATE HAZARDOUS CONDITIONS.

FLAMMABLE LIQUIDS: CATEGORY 3

DANGER:  
FLAME  
EXCLAMATION MARK

HAZARD STATEMENTS:  
CAUSES SERIOUS EYE IRRITATION.  
FLAMMABLE LIQUID AND VAPOR.  
MAYBE BE HARMFUL IF SWALLOWED.

APPEARANCE: AQUEOUS SOLUTION

PHYSICAL STATE: LIQUID

ODOR: ALCOHOL ODOR

PRECAUTIONARY STATEMENTS-PREVENTION:  
KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES-NO SMOKING.  
DO NOT USE IN EYES.  
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.  
WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.

PRECAUTIONARY STATEMENTS-RESPONSE:

IF IN EYES:  
RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

IF ON SKIN (OR HAIR):  
REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN (HAIR) WITH WATER/SHOWER.

IN CASE OF FIRE: USE CO2, DRY CHEMICAL, OR FOAM FOR EXTINCTION.

PRECAUTIONARY STATEMENTS-STORAGE:  
STORED IN A WELL-VENTILATED PLACE. KEEP COOL.

PRECAUTIONARY STATEMENTS-DISPOSAL:  
DISPOSE OF CONTENTS/CONTAINER TO AN APPROVED WASTE DISPOSAL PLANT.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): NOT APPLICABLE

OTHER INFORMATION: UNKNOWN ACUTE TOXICITY

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS



INGREDIENTS CONSIDERED HAZARDOUS AS DEFINED BY OSHA, 29 CFR 1910.1200, WHMIS UNDER THE HPA (CANADA)

CHEMICAL NAME	CAS NO.	WEIGHT-%
ISOPROPYL ALCOHOL	67-63-0	55-75

REMAINING INGREDIENTS ARE NON-HAZARDOUS AND/OR PRESENT AT AMOUNTS BELOW REPORTABLE LIMITS AND CONSIDERED CONFIDENTIAL.

## SECTION 4 FIRST AID MEASURES



### FIRST AID MEASURES:

#### EYE CONTACT:

HOLD EYE(S) OPEN AND RINSE SLOWLY AND GENTLY WITH WATER FOR 15-20 MINUTES. REMOVE CONTACT LENSES, IF PRESENT, AFTER FIRST 5 MINUTES, THEN CONTINUE RINSING EYE(S).

IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION.

#### SKIN CONTACT:

FOR ACCIDENTAL EXPOSURE TO LARGE QUANTITIES, WASH OFF IMMEDIATELY WITH SOAP AND PLENTY OF WATER WHILE REMOVING ALL CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

#### INHALATION:

REMOVE TO FRESH AIR. IMMEDIATE MEDICAL ATTENTION IS NOT REQUIRED.

#### INGESTION:

DO NOT INDUCE VOMITING. INGESTION OF LARGE AMOUNTS CAN CAUSE DROWSINESS, UNCONSCIOUSNESS OR CRAMPS. DRINK PLENTY OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL PHYSICIAN.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

SYMPTOMS: SEE SECTION 11 FOR SYMPTOM INFORMATION.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTE TO PHYSICIANS: TREAT SYMPTOMATICALLY.

## SECTION 5 FIRE-FIGHTING MEASURES



### SUITABLE EXTINGUISHING MEDIA:

DRY CHEMICAL, WATERSPRAY (FOG), CARBON DIOXIDE (CO<sub>2</sub>), FOAM.

UNSUITABLE EXTINGUISHING MEDIA: NO INFORMATION AVAILABLE.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

FLAMMABLE. VAPORS MAY TRAVEL TO SOURCE OF IGNITION AND FLASH BACK.

HAZARDOUS COMBUSTION PRODUCTS: CARBON MONOXIDE. CARBON DIOXIDE (CO<sub>2</sub>).

### EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NONE

### SENSITIVITY TO STATIC DISCHARGE:

MAY BE IGNITED BY FRICTION, HEAT, SPARKS OR FLAMES.

### 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. COOL CONTAINERS WITH FLOODING QUANTITIES OF WATER UNTIL WELL AFTER FIRE IS OUT.

## SECTION 6 ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

### PERSONAL PRECAUTIONS:

USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8. ENSURE ADEQUATE VENTILATION, ESPECIALLY IN CONFINED AREAS.

FOR EMERGENCY RESPONDERS: ISOLATE AREA. KEEP UNNECESSARY PERSONNEL AWAY.

### ENVIRONMENT PRECAUTIONS:

ENVIRONMENTAL PRECAUTIONS PREVENT ENTRY INTO WATERWAYS, SEWERS, BASEMENTS OR CONFINED AREAS. SEE SECTION 12 FOR ADDITIONAL ECOLOGICAL INFORMATION.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

### METHODS FOR CONTAINMENT:

PREVENT FURTHER LEAKAGE OR SPILLAGE IF SAFE TO DO SO. CONTAIN AND COLLECT

SPILLAGE WITH NON-COMBUSTIBLE ABSORBENT MATERIAL, (E.G. SAND, EARTH, DIATOMACEOUS EARTH, VERMICULITE) AND PLACE IN CONTAINER FOR DISPOSAL ACCORDING TO LOCAL/NATIONAL REGULATIONS (SEE SECTION 13).

METHODS FOR CLEANING UP:  
USE CLEAN NON-SPARKING TOOLS TO COLLECT ABSORBED MATERIAL. MAY BE IGNITED BY FRICTION, HEAT, SPARKS OR FLAMES. COLLECT SPILLAGE. SOAK UP WITH INERT ABSORBENT MATERIAL. SWEEP UP AND SHOVEL INTO SUITABLE CONTAINERS FOR DISPOSAL. FOLLOWING PRODUCT RECOVERY, FLUSH AREA WITH WATER.

SECTION 7 HANDLING AND STORAGE



PRECAUTIONS FOR SAFE HANDLING:

ADVICE ON SAFE HANDLING:  
KEEP AWAY FROM HEAT SPARKS, FLAME AND OTHER SOURCES OF IGNITION (I.E., PILOT LIGHTS, ELECTRIC MOTORS AND STATIC ELECTRICITY). TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8. AVOID CONTACT WITH SKIN, EYES OR CLOTHING. USE ONLY IN WELL-VENTILATED AREAS. AVOID BREATHING VAPORS OR MISTS. WASH THOROUGHLY AFTER HANDLING. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE CONDITIONS:  
KEEP CONTAINERS TIGHTLY CLOSED IN A DRY, COOL AND WELL-VENTILATED PLACE. KEEP FROM FREEZING. KEEP AWAY FROM HEAT, SPARKS, FLAME AND OTHER SOURCES OF IGNITION(I.E., PILOT LIGHTS, ELECTRIC MOTORS AND STATIC ELECTRICITY). STORE BETWEEN 40 TO 100 DEG. F.

INCOMPATIBLE MATERIALS:  
HEAT, SPARKS, OPEN FLAME, OTHER IGNITION SOURCES. REACTS VIOLENTLY WITH STRONG OXIDANTS SUCH AS NITRIC ACID AND SILVER NITRATE CAUSING FIRE AND EXPLOSION HAZARD. REACTS SLOWLY WITH CALCIUM HYPOCHLORITE AND AMMONIA CAUSING FIRE AND EXPLOSION HAZARD.

SECTION 8 PROTECTION INFORMATION



EXPOSURE GUIDELINES:

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
ISOPROPYL ALCOHOL 67-63-0	STEL: 400 PPM TWA: 200 PPM	TWA: 400 PPM	IDLH: 2000 PPM
			TWA: 400 PPM
		TWA: 980 MG/M3 (VACATED)	TWA: 980 MG/M3
			STEL: 500 PPM
			STEL: 1225 MG/M3
		TWA: 400 PPM (VACATED)	
		TWA: 980 PPM	
		(VACATED) STEL: 500 PPM	
		(VACATED) STEL: 1225 MG/M3	

APPROPRIATE ENGINEERING CONTROLS:

ENGINEERING CONTROLS: SHOWERS, EYEWASH STATIONS, VENTILATION SYSTEM.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).

SKIN AND BODY PROTECTION:  
WEAR PROTECTIVE NEOPRENE(TM) GLOVES. RUBBER GLOVES. NORMAL WORK CLOTHING (LONG SLEEVED SHIRT AND LONG PANTS IS RECOMMENDED). APRON IS RECOMMENDED.

RESPIRATORY PROTECTION:  
IF EXPOSURE LIMITS ARE EXCEEDED OR IRRITATION IS EXPERIENCED, NIOSH/MSHA APPROVED RESPIRATORY PROTECTION SHOULD BE WORN. POSITIVE-PRESSURE SUPPLIED AIR RESPIRATORS MAY BE REQUIRED FOR HIGH AIRBORNE CONTAMINANT

CONCENTRATIONS. RESPIRATORY PROTECTION MUST BE PROVIDED IN ACCORDANCE WITH CURRENT LOCAL REGULATIONS.

GENERAL HYGIENE CONSIDERATIONS:  
WASH FACE, HANDS AND ANY EXPOSED SKIN THOROUGHLY AFTER HANDLING. WASH CONTAMINATED CLOTHING AND SHOES BEFORE REUSE. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES



INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

FORMULA: SEE SECTION 3

PHYSICAL STATE: LIQUID

ODOR: ALCOHOL SMELL

APPEARANCE: AQUEOUS SOLUTION

ODOR THRESHOLD: NO INFORMATION AVAILABLE

COLOR: CLEAR

PROPERTY	VALUES	REMARKS - METHOD
PH	5.0-7.0	+/-1 @ 21 DEG. C
MELTING POINT/FREEZING POINT	NO INFORMATION	
BOILING POINT/ BOILING RANGE	180 DEG. F	
FLASH POINT	21.49 DEG. C / 70.68 DEG. F	
EVAPORATION RATE	NO INFORMATION AVAILABLE	
FLAMMABILITY (SOLID, GAS)	NO INFORMATION AVAILABLE	
FLAMMABILITY LIMIT IN AIR:		
UPPER FLAMMABILITY LIMIT	12.7%	
LOWER FLAMMABILITY LIMIT	2.0%	
VAPOR PRESSURE	30 MMHg @ 20 DEG. C	
VAPOR DENSITY	NO INFORMATION AVAILABLE	
SPECIFIC GRAVITY	0.89	
WATER SOLUBILITY	SOLUBLE IN WATER	
PARTITION COEFFICIENT	NO INFORMATION AVAILABLE	
AUTOIGNITION TEMPERATURE	NO INFORMATION AVAILABLE	
DECOMPOSITION TEMPERATURE	NO INFORMATION AVAILABLE	
KINEMATIC VISCOSITY	NO INFORMATION AVAILABLE	
DYNAMIC VISCOSITY	NO INFORMATION AVAILABLE	
EXPLOSIVE PROPERTIES	NO INFORMATION AVAILABLE	
OXIDIZING PROPERTIES	NO INFORMATION AVAILABLE	

SECTION 10 STABILITY AND REACTIVITY DATA



REACTIVITY: NO DATA AVAILABLE.

CHEMICAL STABILITY: STABLE UNDER RECOMMENDED STORAGE CONDITIONS.

POSSIBILITY OF HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

CONDITIONS TO AVOID:  
HEAT, FLAMES AND SPARKS, EXTREME TEMPERATURE CONDITIONS.



INCOMPATIBLE MATERIALS: HEAT, SPARKS, OPEN FLAME, OTHER IGNITION SOURCES.

HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON MONOXIDE. CARBON DIOXIDE (CO2). NITROGEN.

SECTION 11 TOXICITY DATA



INFORMATION ON LIKELY ROUTES OF EXPOSURE:

PRODUCT INFORMATION:

INHALATION:  
INHALATION OF VAPORS IN HIGH CONCENTRATION MAY CAUSE IRRITATION OF  
RESPIRATORY SYSTEM.

EYE CONTACT: IRRITATING TO EYES.

SKIN CONTACT: NO IRRITANT UNDER NORMAL USE.

INGESTION: MAY BE HARMFUL IF SWALLOWED.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
WATER, 7732-18-5	>90 ML/KG (RAT)		
ISOPROPYL ALCOHOL 67-63-0	=4396 MG/KG (RAT)	=12800 MG/KG (RABBIT)	=16000 PPM (RAT) 8 H

INFORMATION ON TOXICOLOGICAL EFFECTS:

SYMPTOMS: NO INFORMATION AVAILABLE

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND  
LONG-TERM EXPOSURE:

SENSITIZATION: NO INFORMATION AVAILABLE

GERM CELL MUTAGENICITY: NO INFORMATION AVAILABLE

CARCINOGENICITY:  
IARC: GROUP 3 (NOT CLASSIFIABLE AS TO ITS CARCINOGENICITY TO HUMANS).

REPRODUCTIVE TOXICITY: NO INFORMATION AVAILABLE

STOT SINGLE EXPOSURE: NO INFORMATION AVAILABLE

STOT REPEATED EXPOSURE: NO INFORMATION AVAILABLE

ASPIRATION HAZARD: NO INFORMATION AVAILABLE

NUMERICAL MEASURES OF TOXICITY - PRODUCT INFORMATION:

UNKNOWN ACUTE TOXICITY:  
<0.5% OF THE MIXTURE CONSISTS OF DIRECT FOOD ADDITIVES AND 150 PPM OF  
MATERIAL OF UNKNOWN TOXICITY.

THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS  
DOCUMENT:

ATE MIX (DERMAL): 21843 MG/KG MG/L

ATE MIX (INHALATION-VAPOR:  
NA (ISOPROPANOL INHALATION LC 50 = 16,000 PPM RAT 8 HOURS)

SECTION 12 ECOLOGICAL DATA



ECOTOXICITY:  
<0.5% OF THE MIXTURE CONSISTS OF COMPONENTS(S) OF UNKNOW HAZARDS TO THE  
AQUATIC ENVIRONMENT.

CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH	CRUSTACEA
ISOPROPYL ALCOHOL	1000:	9640:	13299:

67-63-0	96 H DESMODESMUS SUBSPICATUS MG/L EC50	96 H PIMEPHALES PROMELAS MG/L LC50 FLOW-THROUGH	48 H DAPHNIA MAGNA MG/L EC50
	1000: 72 H DESMODESMUS SUBSPICATUS MG/L EC50	11130: 96 H PIMEPHALES PROMELAS MG/L LC50 STATIC	
		1400000: 96 H LEPOMIS MACROCHIRUS (MICRO)G/L LC50	

PERSISTENCE AND DEGRADABILITY: NO INFORMATION AVAILABLE.

BIOACCUMULATION:

CHEMICAL NAME	PARTITION COEFFICIENT
ISOPROPYL ALCOHOL 67-63-0	0.05

MOBILITY: NO INFORMATION AVAILABLE.

OTHER ADVERSE EFFECTS: NO INFORMATION AVAILABLE

SECTION 13 DISPOSAL INFORMATION



WASTE TREATMENT METHODS:

DISPOSAL OF WASTES:  
DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE REGIONAL, NATIONAL AND LOCAL LAWS AND REGULATIONS.

CONTAMINATED PACKAGING:  
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

CHEMICAL NAME	CALIFORNIA HAZARDOUS WASTE STATUS
ISOPROPYL ALCOHOL 67-63-0	TOXIC IGNITABLE

SECTION 14 TRANSPORT INFORMATION



DOT:  
UN/ID NO.: 1219  
PROPER SHIPPING NAME: ISOPROPANOL FLAMMABLE LIQUIDS  
HAZARD CLASS: 3  
PACKING GROUP: II

LIMITED QUANTITIES FOR PACKAGES UNDER: 1 LITER  
EXEMPT DOT-SP 9275 FOR PACKAGES UNDER: 1 GALLON

SECTION 15 REGULATORY INFORMATION



INTERNATIONAL INVENTORIES:  
TSCA: COMPLIES  
DSL/NDL: COMPLIES  
EINECS/ELINCS: COMPLIES

LEGEND:  
TSCA: UNITED STATES TOXIC SUBSTANCES CONTROL ACT SECTION 8(B) INVENTORY  
DSL/NDL: CANADIAN DOMESTIC SUBSTANCES LIST/NON-DOMESTIC SUBSTANCES LIST

EINECS/ELINCS:  
EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES/EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES

US FEDERAL REGULATIONS:

SARA 313:  
SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION 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.

NOTE:  
ISOPROPYL ALCOHOL ONLY NEEDS TO BE REPORTED IF IT IS BEING MANUFACTURED BY THE STRONG ACID PROCESS. FACILITIES THAT PROCESS OR OTHERWISE USE ISOPROPYL ALCOHOL ARE NOT COVERED AND SHOULD NOT FILE A REPORT.

SARA 311/312 HAZARD CATEGORIES:  
ACUTE HEALTH HAZARD: YES  
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 SUBSTANCE 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 SUBSTANCE REGULATED AS A HAZARDOUS SUBSTANCE UNDER THE COMPREHENSIVE ENVIRONMENT 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
ISOPROPYL ALCOHOL 67-63-0	X	X	X

U.S. EPA LABEL INFORMATION:  
  
EPA PESTICIDE REGISTRATION NUMBER: 73232-2

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.

SECTION 16 ADDITIONAL INFORMATION



NFPA:  
HEALTH HAZARDS 2  
FLAMMABILITY 3  
INSTABILITY 0  
PHYSICAL AND CHEMICAL PROPERTIES NONE

HMIS:  
HEALTH HAZARDS 2  
FLAMMABILITY 3  
PHYSICAL HAZARDS 0  
PERSONAL PROTECTION B (SAFETY GLASSES, GLOVES)

PREPARED BY: TECHNICAL DEPARTMENT  
  
REVISION DATE: JANUARY, 2016  
  
VERSION: 1  
  
REVISION NOTE: NO INFORMATION AVAILABLE

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 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.

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