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Revision Number 3

SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name	Member's Mark 91% Isopropyl Alcohol 16oz.	
Other means of identification		
Synonyms	None	
Recommended use of the chemical	and restrictions on use	
Recommended Use	First-Aid Kit or Supplies	
Uses advised against	No information available	
Details of the supplier of the safety	data sheet	
Supplier Name	PL Developments	
Supplier Address	609-02 Cantiague Rock Road Westbury, NY	
Supplier Phone Number	Phone:516-272-8284	
Supplier Email	Devans@pldevelopments.com	
Emergency telephone number		

Emergency telephone number

2. HAZARDS IDENTIFICATION

Classification

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

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 2



GHS Label elements, including precautionary statements



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area 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 Keep cool Wear eye/face protection

Precautionary Statements - Response

Eyes

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

Skin

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell

Fire

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed



Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

Other information

May be harmful if swallowed PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%	Trade Secret
Isopropyl alcohol	67-63-0	60 - 100	*

*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	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.	
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.	
Inhalation	Remove to fresh air.	
Ingestion	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.	
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. Wear personal protective clothing (see section 8).	

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Burning sensation. Inhalation of high vapor concentrations may cause symptoms like



Effects

headache, dizziness, tiredness, nausea and vomiting.

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 (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Uniform Fire Code	Flammable Liquid: I-B
Explosion Data Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	Yes.

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.



6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. See section 8 for more information. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.
Other Information	Refer to protective measures listed in Sections 7 and 8. Ventilate the area.
Environmental precautions	
Environmental precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods and material for containme	ent and cleaning up
Methods for containment	A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways.
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

Conditions for safe storage, including any incompatibilities

Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.
Incompatible Products	Strong oxidizing agents. Acids. Chlorinated compounds.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	
Isopropyl alcohol	STEL: 400 ppm	TWA: 400 ppm	IDLH: 2000 ppm 10% LEL	
67-63-0	TWA: 200 ppm	TWA: 980 mg/m ³ (vacated) TWA: 400 ppm	TWA: 980 mg/m ³ TWA: 400 ppm	
		(vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³	STEL: 500 ppm	
		(vacated) STEL: 500 ppm	STEL: 1225 mg/m ³	
		(vacated) STEL: 1225 mg/m ³	3	
ACGIH TLV: American Conference of Gov Administration - Permissible Exposure Lim			ccupational Safety and Health	
Other Exposure Guidelines	Other Exposure GuidelinesVacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d962 (11th Cir., 1992)			
Appropriate engineering controls				
Engineering Measures	Showers			
	Eyewash stations			
	Ventilation systems			
Individual protection measures, such as personal protective equipment				
Eye/face protection	Tight sealing safety goggles.			
Skin and body protection	Wear protective gloves and pro apron. Impervious gloves. Anti		clothing. Chemical resistant	
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.			
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state Appearance Color	Liquid Clear No information available	Odor Odor Threshold	Alcohol No information available
<u>Property</u>	<u>Values</u>	Remarks Method	
pH	7	None known	
Melting / freezing point	No data available	None known	

Boiling point / boiling range	82 °C / 180 °
Flash Point	22 C / 72 F
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Flammability Limit in Air	
Upper flammability limit	No data available
Lower flammability limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity	0.8123
Water Solubility	Soluble in water
Solubility in other solvents	No data available
Partition coefficient: n-octanol/wate	r No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Other Information

Softening Point VOC Content (%) Particle Size Particle Size Distribution No data available No data available No data available

°F

None known None known

None known

None known

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Product Information

Eye contact

Stable under recommended storage conditions. Possibility of Hazardous Reactions None under normal processing. Conditions to avoid Heat, flames and sparks. Incompatible materials Strong oxidizing agents. Acids. Chlorinated compounds. Hazardous Decomposition Products Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. May cause drowsiness or dizziness. (based on components).

Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.



Skin contact

Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion

Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m ³ (Rat)4 h

Information on toxicological effects

Symptoms	May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may
	cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		Group 3		Х
67-63-0				

IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present

Reproductive toxicity	No information available.
STOT - single exposure	Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. Detailed substance and/or ingredient information may be provided in other sections of this SDS. Target organs effects listed in this document may result from a single overexposure to this product.
STOT - repeated exposure	No information available.
Chronic Toxicity	May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.
Target Organ Effects	Eyes. Respiratory system. Skin. Blood. Kidney. Liver. Spleen. Systemic Toxicity.
Aspiration Hazard	No information available.
Numerical measures of toxicity	Product Information

The following values are calculated based on chapter 3.1 of the GHS document



ATEmix (oral) 4,831.00 mg/kg ATEmix (dermal) 14,066.00 mg/kg (ATE) ATEmix (inhalation-vapor) 61.11 ATEmix

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
	96h EC50: > 1000 mg/L (Desmodesmus subspicatus) 72h EC50: > 1000 mg/L (Desmodesmus subspicatus)	LC50: = 11130 mg/L		48h EC50: = 13299 mg/L

Persistence and Degradability

No information available.

Bioaccumulation

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

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods	This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).
Contaminated Packaging	Dispose of contents/containers in accordance with local regulations.
US EPA Waste Number	D001

California Hazardous Waste Codes 311

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste
Isopropyl alcohol	Toxic
67-63-0	Ignitable



14. TRANSPORT INFORMATION

DOT	
Proper Shipping Name	CONSUMER COMMODITY
Hazard Class	ORM-D
Description	CONSUMER COMMODITY, ORM-D
Emergency Response Guide Number	129
Number	
TDG_	
UN-No.	UN1219
Proper Shipping Name	ISOPROPANOL SOLUTION
Hazard Class	3
Packing Group Description	II UN1219, ISOPROPANOL SOLUTION, 3, II
Description	011219, 130FR0FANOL 30L01101, 3, 11
<u>MEX</u>	
UN-No.	UN1219
Proper Shipping Name	ISOPROPANOL SOLUTION
Hazard Class	3
Packing Group Description	II
Description	UN1219, ISOPROPANOL SOLUTION, 3, II
UN-No.	UN1219
Proper Shipping Name	ISOPROPANOL SOLUTION
Hazard Class	3
Packing Group Description	II
Description	UN1219, ISOPROPANOL SOLUTION, 3, II
ΙΑΤΑ	
UN-No.	UN1219
Proper Shipping Name	ISOPROPANOL SOLUTION
Hazard Class	3
Packing Group ERG Code	11 3L
Description	UN1219, ISOPROPANOL SOLUTION, 3, II
Description	
IMDG/IMO	
UN-No.	UN1219
Proper Shipping Name Hazard Class	ISOPROPANOL SOLUTION
Packing Group	3 II
EmS-No.	F-E, S-D
Description	UN1219, ISOPROPANOL SOLUTION, 3, II, (22°C C.C.)
·	
<u>RID</u> UN-No.	1111210
UN-NO. Proper Shipping Name	UN1219 ISOPROPANOL SOLUTION
Hazard Class	3
Packing Group	3 II
Classification code	 F1
Description	UN1219, ISOPROPANOL SOLUTION, 3, II
-	



ADR

	UN-No.	UN1219
	Proper Shipping Name	ISOPROPANOL SOLUTION
	Hazard Class	3
	Packing Group	II
	Classification code	F1
	Tunnel restriction code	D/E
	Description	UN1219, ISOPROPANOL SOLUTION, 3, II
A	<u>DN</u>	
	UN-No.	UN1219
	Proper Shipping Name	ISOPROPANOL SOLUTION
	Hazard Class	3
	Packing Group	II
	Classification code	F1
	Special Provisions	601
	Description	UN1219, ISOPROPANOL SOLUTION, 3, II
	Hazard Labels	3
	Limited Quantity	1 L
	Ventilation	VE01

15. REGULATORY INFORMATION

International Inventories

TSCA DSL IECSC Complies

All components are listed either 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

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropyl alcohol - 67-63-0	67-63-0	60 - 100	1.0
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 substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<u>CERCLA</u>

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	Illinois
Isopropyl alcohol 67-63-0	Х	Х	Х	Х	

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Isopropyl alcohol		Mexico: TWA 400 ppm
67-63-0 (60 - 100)		Mexico: TWA 980 mg/m ³
		Mexico: STEL 500 ppm
		Mexico: STEL 1225 mg/m ³

Mexico - Occupational Exposure Limits - Carcinogens

Canada WHMIS Hazard Class

Not determined

16. OTHER INFORMATION						
NFPA	Health Hazards 2	Flammability	3	Instability 0	Physical and Chemical Hazards -	
HMIS	Health Hazards 2	Flammability	3	Physical Hazard 0	Personal Protection	
Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501					
Revision Date Revision Note	19-Jan-2016 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 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

