



SAFETY DATA SHEET

70% Alcohol Solution

Effective Date: 7/30/2020 Supersedes: 7/6/2020

Section 1: IDENTIFICATION

PRODUCT:

Product Name: 70% Alcohol Solution
Product Description: Sprayable liquid
Product Code(s): 18070
Intended Use: Cleaning agent

COMPANY IDENTIFICATION:

Pro-Optics LLC
317 N. Woodwork Ln
Palatine, IL 60067-8871

For Information: 1-847-991-2020

EMERGENCY TELEPHONE NUMBER:

24-Hour Emergency: 1-800-323-3846

Section 2: HAZARD(S) IDENTIFICATION

CLASSIFICATION: ACUTE TOXICITY - ORAL - Category 5
EYE DAMAGE/IRRITATION - Category 2B
FLAMMABLE LIQUIDS - Category 2
SENSITIZATION - SKIN - Category 1B

LABELING:



Pictograms:

Signal Word: Danger

Hazard Statements: Causes eye irritation
Highly flammable liquid and vapor
May be harmful if swallowed
May cause an allergic skin reaction

Section 2: HAZARD(S) IDENTIFICATION (cont.)

Precautionary Statements:

Response: Call a poison center/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If on skin: Wash with plenty of water.
If skin irritation or rash occurs: Get medical advice/attention.
In case of fire: Use appropriate media to extinguish.
Wash contaminated clothing before reuse.

Prevention: Avoid breathing dust/fume/gas/mist/ vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Ground/bond container and receiving equipment.
Keep away from heat.
Keep container tightly closed.
Take precautionary measures against static discharge.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Wash affected area thoroughly after handling.
Wear protective gloves.
Wear protective gloves/eye protection/face protection

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container to an approved waste disposal plant.

Ingredients of unknown toxicity: 0%

Hazards not Otherwise Classified: No Data Available

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Chemical Identity	Concentration, % W/W	EINECS / ELINCS #
67-63-0	Isopropyl Alcohol	70%	200-661-7
N/A	Proprietary Surfactant	0.5%	N/A
7732-18-5	Water	29.5%	231-791-2

Section 4: FIRST AID MEASURES

INHALATION:

Normal use of this product does not pose an inhalation hazard. However, should respiratory tract irritation develop, discontinue use and remove to fresh air. Seek medical attention if irritation or other symptoms develop or persist.

Section 4: FIRST AID MEASURES (cont.)

SKIN CONTACT:

Should irritation develop, discontinue use. Wash affected skin thoroughly with soap and water. Seek medical attention if irritation or other symptoms develop or persist.

EYE CONTACT:

Remove contact lenses. Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. If irritation persists, seek medical attention.

INGESTION:

If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

Section 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical powder, appropriate foam or water fog.

HAZARDOUS COMBUSTION PRODUCTS:

Oxides of carbon may be formed upon combustion.

SPECIAL FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus and full protective gear to prevent contact with skin and eyes.

Section 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Wear suitable protective eyewear, clothing, respiratory protection, rubber boots and rubber gloves. Ensure adequate ventilation. Refer to Sections 7 and 8.

ENVIRONMENTAL PRECAUTIONS:

Prevent spilled material from entering storm sewers or drains, waterways, and contact with soil.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Isolate hazard area. Prevent from entering drains and sewers. Cover with vermiculite or other suitable inert material, pick up and place in closed containers. Transport outdoors and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Refer to Section 13 for appropriate disposal procedures.

Section 7: HANDLING AND STORAGE

HANDLING:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/ fumes/ vapor/ spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

STORAGE:

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS:

CAS #	COMPONENT NAME	OCCUPATIONAL EXPOSURE LIMITS / GUIDELINES										UNITS
		OSHA PEL		ACGIH TLV		NIOSH REL		IRELAND		HSE		
		TWA/STEL	TWA/STEL	TWA/STEL	TWA/STEL	TWA/STEL	TWA/STEL	TWA/STEL	TWA/STEL	TWA/STEL	TWA/STEL	
67-63-0	Isopropyl Alcohol	400	NE	200	400	400	500	400	500	400	500	ppm
N/A	Surfactants	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7732-18-5	Water	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA

N/E: Not Established

TWA: 8-Hour Time-Weighted Average

N/A: Not Applicable

ACGIH: American Conference of Governmental Industrial Hygienists

NIOSH: National Institute for Occupational Safety & Health

OSHA: Occupational Safety & Health Administration

PPM: Parts Per Million

STEL: Short-Term Exposure Limit

C: Ceiling Limit

REL: Recommended Exposure Limit

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

ENGINEERING CONTROLS:

Use with good general ventilation. No special controls required.

RESPIRATORY PROTECTION:

No special controls or personal protection required under conditions of intended use.

In the event of a spill, a NIOSH-certified air-purifying respirator with organic vapor cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits and when adequate oxygen is present. Use a positive pressure air-supplied respirator if there is any potential for an uncontrolled release or any other circumstances where air purifying respirators may not provide adequate protection.

EYE PROTECTION:

Avoid contact with the eye. No special controls or personal protection required under conditions of intended use.

In the event of a spill, appropriate eye protection should be worn.



Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION (cont.)

SKIN PROTECTION:

No special controls or personal protection required under conditions of intended use.

For prolonged exposure, wear gloves. In the event of a spill, use rubber gloves.

ADDITIONAL PROTECTIVE CLOTHING & EQUIPMENT:

NA

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear
Odor:	Slight alcohol odor
Odor Threshold:	Not determined
pH-Value:	Not determined
Melting Point:	Not applicable
Freezing Point:	Not determined
Initial Boiling Point:	> 180 F
Flash Point:	70 F
Evaporation Rate:	7.0
Flammability (solid,gas):	Not determined
Explosion Limits:	Not determined
Vapor Pressure:	Not determined
Vapor Density:	N/A
Specific Gravity (H₂O=1):	Not determined
Solubility:	Soluble in water
Partition Coefficient:	Not applicable
Auto-Ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not determined

Section 10: STABILITY AND REACTIVITY

REACTIVITY:

No known hazards.

CHEMICAL STABILITY:

Stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS:

None are known.

CONDITIONS TO AVOID:

None are known.

Section 10: STABILITY AND REACTIVITY (cont.)

INCOMPATIBLE MATERIALS:

Strong oxidizing agent.

HAZARDOUS DECOMPOSITION:

During fire: carbon dioxide, carbon monoxide, sulfur oxides.

Section 11: TOXICOLOGICAL INFORMATION

RTECS No.: NT8050000

Isopropyl Alcohol

Toxicity Data:	ORL-RAT	LD50: 5045 MG/KG
	IHL-RAT	LC50: 16000 PPM/8H
	SKN-RBT	LD50: 12800 MG/KG

Irritation Data:	EYE-RBT	100 MG SEV
	SKN-RBT	500 MG (MILD)

RTECS No.: MP0700000

NOTE: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

Section 12: ECOLOGICAL INFORMATION

No specific ecological data are available for this product.

Section 13: DISPOSAL CONSIDERATIONS

All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the sole responsibility of the waste generator.

Section 14: TRANSPORT INFORMATION

	US DOT	IATA	IMDG	TDG
Shipping Name:	Isopropanol	Isopropanol	Isopropanol	Isopropanol
Hazard Class:	3	3	3	3
UN Number:	1219	1219	1219	1219
Package Group:	II	II	II	II

Section 15: REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200):

Not considered hazardous under the Occupational Safety & Health Administration Hazard Communication Standard.

REACH:

This product is exempt from REACH requirements.

TOXIC SUBSTANCE CONTROL ACT (TSCA):

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA TITLE III (Superfund Amendments and Reauthorization Act):

SECTION 302 (Extremely Hazardous Substances): No Components Listed

SECTION 311, 312 (Hazard Categories): Acute, Chronic

SECTION 313 (Toxic Chemicals): No Components Listed

CALIFORNIA PROPOSITION 65:

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm at levels which would require a warning under the statute.

Section 16: OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, ProOptics LLC assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE IS MADE. In no event shall ProOptics LLC be liable for any special, incidental or consequential damages.