



# Isopropyl Alcohol

## General Purpose Cleaner

1610

### Introduction

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99.8+% pure, anhydrous isopropanol for all-purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue. Can be used as a thinner for most fluxes.

#### Features / Benefits

- Non-Ozone Depleting
- Safe on Plastics
- Rapidly Evaporating
- Zero Residue
- Non-Corrosive

### Chemical Components

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Isopropanol.....	(67-63-0)	100%
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### Environmental Policy

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Techspray® is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

### Packaging and Availability

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Isopropyl Alcohol may be ordered in the following container sizes:

1610-50PK	50 Pre-Saturated Packets Per Carton
1610-100DSP	100 Pre-Saturated Wipes in Pop-Up Container
1610-P	1 Pint in Plastic
1610-PT	1 Pint in Plastic w/Trigger Sprayer
1610-GS	1 Gallon Bladder
1610-G4	1 Gallon in Plastic (4 1 Gallon Containers Per Pack)
1610-5G	32 Pounds in Plastic
1610-54G	340 Pounds in Plastic
1610-N	1 10ml Pen

# MATERIAL SAFETY DATA SHEET

Finished Product



MSDS Ref. No : 1610-2SQ/P

## Isopropyl Alcohol

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Isopropyl Alcohol**PRODUCT DESCRIPTION:** Isopropyl Alcohol**PRODUCT CODE:** 1610-CAN/EUR/2SQ/P

### MANUFACTURER

Techspray, L.P.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Content</u>	<u>CAS</u>	<u>EINECS</u>
2-Propanol	99.6 - 100	67-63-0	200-661-0

### EEC LABEL SYMBOL AND CLASSIFICATION



R11 - Highly flammable.

EEC Highly flammable - "F"



R36/38 - Irritating to eyes and skin.

EEC Irritant - "Xi"



R52 - Harmful to aquatic organisms.

EEC Environment - "N"

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### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Clear, Colorless, Volatile Liquid

**IMMEDIATE CONCERNS:** Flammable liquid and vapor.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Moderately irritating to the eyes.

**SKIN:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**SKIN ABSORPTION:** Skin absorption can occur.

**INGESTION:** This product is toxic by ingestion. Ingestion may cause irritation of the digestive tract. Nausea and vomiting will most likely occur.

**INHALATION:** High concentrations in immediate area can displace oxygen and can cause dizziness, unconsciousness, and possibly death with longer exposure. Keep people away from such vapors without self-contained breathing apparatus.

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### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

**INGESTION:** Do not induce vomiting. Give milk or water. Get immediate medical attention immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

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### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** 11.7°C (53°F)TAG CC

**FLAMMABLE LIMITS:** 2.0 to 12.0

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**HAZARDOUS COMBUSTION PRODUCTS:** Smoke, fumes and oxides of carbon.

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Viton, Solvex, Butyl, Buna, Neoprene.

**RESPIRATORY:** NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Alcohol odor

**APPEARANCE:** Clear, Colorless liquid

**pH:** Neutral

**PERCENT VOLATILE:** 100

**VAPOR PRESSURE:** 33 mmHg at 20°C

**VAPOR DENSITY:** 2.07 (Air=1)

**BOILING POINT:** to 82°C (180°F)

**FREEZING POINT:** to -88°C

**SOLUBILITY IN WATER:** Miscible

**MOLECULAR WEIGHT:** 60.09

**MOLE. WT. FORMULA:** C<sub>3</sub>H<sub>8</sub>O

**(VOC):** 787 g/L (non-exempt VOC)

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Heat, flames, ignition sources, and incompatibles.

**STABILITY:** Stable under normal conditions.

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon (CO and CO<sub>2</sub>) may form when heated to decomposition.

**INCOMPATIBLE MATERIALS:** Strong acids and alkalis, reactive metals and strong oxidizing agents.

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## 11. TOXICOLOGICAL INFORMATION