

KW SOLUTIONS 2265 POLYVIEW TURLOCK, CA 95382

# SAFETY DATA SHEET

## SECTION 1 - IDENTIFICATION

Product Identifier: IPA

Product Code: 1490

KW SOLUTIONS  
2265 POLYVIEW  
TURLOCK, CA 95382  
(209)556-9600

24 Hr. Emergency Tel.#: 800-424-9300

## SECTION 2 - HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture:

Eye Irritation - Category 2  
Flammable Liquids - Category 2



Signal Word: DANGER

### Hazard Statements:

Causes serious eye irritation  
Highly flammable liquid and vapour

### Precautionary Statements:

Keep away from heat/sparks/open flames/hot surfaces - No smoking.  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
**IF ON SKIN:** Gently wash with soap and water.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Store in a well ventilated place.  
Store in a closed container.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration
ISOPROPYL ALCOHOL	67-63-0	63-67%

## SECTION 4 - FIRST-AID MEASURES

**Inhalation:** Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

**Skin Contact:** Rinse/wash with lukewarm, gently flowing water and mild soap for 5 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.

**Eye Contact:** Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. If eye irritation persists: Get medical advice/attention.

**Ingestion:** Rinse mouth. If you feel unwell, or if concerned: Get medical advice/attention.

**Most Important Symptoms and Effects, both Acute and Delayed:** Contact with eyes can cause irritation.

**Indication of any Immediate Medical Attention and Special Treatment Needed:** Treat symptomatically

## SECTION 5 - FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use water spray, powder, foam, carbon dioxide.

**Special hazards arising from the substance of mixture:** Emits toxic fumes under fire conditions.

**Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012):** Flammable liquid - Category 2

**Hazardous Combustion Products:** Carbon oxides

**Special protective equipment and precautions for firefighters:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

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### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**Methods and materials for containment and cleaning up:** Contain and recover liquid when possible. Do not let product enter drains. Residues from spills can be absorbed with dry earth, sand or other non-combustible material and disposed of in appropriate container.

### SECTION 7 - HANDLING AND STORAGE

**Precautions for Safe Handling:** Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

**Conditions for Safe Storage:** Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well-ventilated area away from heat or open flame.

**Incompatible Materials:** Avoid strong oxidizing agents, soft metals, acids, and heat.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ventilation and engineering measures:** Forced air, local exhaust, or open air is adequate.

**Respiratory Protection:** In case of confined spaces or high levels encountered in the air, wear self contained breathing apparatus.

**Skin Protection:** Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

**Eye/Face Protection:** Wear safety glasses, goggles and/or face shield to prevent eye contact.

**Other Protective Equipment:** Eye wash facility and emergency shower should be in close proximity.

**General Hygiene Conditions:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Colorless liquid

**Odor:** Alcohol like

**pH:** 9.0-9.5

**Melting/Freezing point:** -88.5°C (-127.3°F) (for pure Isopropyl Alcohol)

**Initial boiling point and boiling range:** (82°C 180°F) (for pure Isopropyl Alcohol)

**Flash Point:** 18.3°C (64.9°F)

**Flammability (solid, gas):** Flammable

**Lower flammable limit (% by vol.):** 2 (for pure Isopropyl Alcohol)

**Upper flammable limit (% by vol.):** 12.7 (for pure Isopropyl Alcohol)

**Vapor Pressure (mm Hg):** 33 at 20°C (for pure Isopropyl Alcohol)

**Vapor Density (air=1):** 2.1 (for pure Isopropyl Alcohol)

**Specific gravity:** 0.86 g/mL

**Solubility in Water:** Complete

**Auto ignition Temperature:** 399°C (750.2°F) (for pure Isopropyl Alcohol)

**Viscosity:** 9 cSt at 20°C / 68°F

### SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions

**Possibility of Hazardous Reactions:** None known

**Conditions to Avoid:** Incompatible materials and high temperatures

**Incompatible Materials:** Avoid acids or strong oxidizers when using or storing this product.

**Hazardous Decomposition Products:** Carbon oxides.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**Informaiton on likely routes of exposure:**

Routes of entry - inhalation: YES

Routes of entry - skin & eye: YES

Routes of entry - ingestion: YES

Routes of entry - skin absorption: YES

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### Potential Health Effects:

#### Signs and symptoms of short term (acute) exposure:

**Inhalation:** Inhalation of vapors irritates the respiratory tract. Exposure to high concentrations has a narcotic effect, producing symptoms of dizziness, drowsiness, headache, staggering and/or unconsciousness.

**Ingestion:** Can cause gastrointestinal pain, cramps, nausea, vomiting, and diarrhea.

**Skin:** May cause irritation with redness and pain. May be absorbed through the skin with possible systemic effects.

**Eye:** Vapors cause eye irritation. Splashes cause severe eye irritation.

### Potential Chronic Health Effects:

**Mutagenicity:** No information available

**Carcinogenicity:** Not listed as a carcinogen with IARC, NTP or OSHA

**Reproductive effects:** IPA (isopropyl) has been shown to cause harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain.

**Sensitization to material:** Not found to be a sensitizer.

**Specific target organ effects:** Exposure to IPA (isopropyl) has been found to cause kidney damage in male rats.

**Medical conditions aggravated by overexposure:** Overexposure to IPA (isopropyl) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects.

**Toxicological data:** The calculated ATE values for this mixture are:

ATE oral = >5000mg/kg

ATE dermal = >5000mg/kg

ATE inhalation (vapors)= >20mg/l

## SECTION 12 - ECOLOGICAL INFORMATION

**Persistence and degradability:** No information available

**Bioaccumulation potential:** Product has a low potential for bioaccumulation

**Mobility in soil:** Product is water soluble and moves readily through soil and the water column.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**Handling for disposal:** Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.

**Method of disposal:** Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

**RCRA:** Not a listed RCRA hazardous waste.

## SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

### US 49 CFR/DOT/IATA/IMDG Information:

UN No.: 1993

UN Proper Shipping Name: Flammable liquid, n.o.s. (Isopropyl alcohol)

Transportation hazard class(es): 3

Packing Group: III

**Environmental hazards:** Not a Marine Pollutant

## SECTION 15 - REGULATORY INFORMATION

### US Federal Information:

**TSCA information:** CAS # 67-63-0 is listed on the TSCA inventory

**US CERCLA Reportable quantity (RQ):** No RQ listed

**SARA Title III:** Acute Health Hazard, Fire Hazard.

**US State Right to Know Laws:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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### SECTION 16 - OTHER INFORMATION

**Legend:****SARA:** The Superfund Amendments and Reauthorizatioin Act**RCRA:** Resource Conservation and Recovery Act**TSCA:** Toxic Substances Control Act**CFR:** Code of Federal Regulations**DOT:** Department of Transportation**ATE:** Acute Toxicity Estimate**Preparation date:** 9/27/2013