

**SAFETY DATA SHEET**

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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**Section I - Product & Company Identification**

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**Product identifier**

Product name : IPA SOLUTION

Product form: Liquid

Other means of identification: 1400

Relevant identified uses of the substance or mixture: Solvent

**Details of the supplier of the safety data sheet**

Manufacturer:

Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150

Phone: 816-472-5515

**Emergency telephone number**

Emergency number : CHEMTREC: 1-800-424-9300

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**Section II – Hazards Identification**

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**Classification**

Flammable liquid (Category 3)

Serious eye damage/irritation (Category 2A)

Specific target organ toxicity-single exposure (Category 3), Narcotic effects

Pictogram



**Signal Word**

**DANGER !**

**Hazard Statements**

Flammable liquid and vapor.

Causes serious eye irritation.

May cause drowsiness or dizziness.

### **Precautionary Statements – Prevention**

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

### **Precautionary Statements – Response**

In case of fire: Consider carbon dioxide, dry chemical, dry sand or alcohol resistant foam to extinguish.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs  
IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash skin with plenty of soap and water. If irritation occurs get medical advice/attention.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
Rinse mouth

### **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 treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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## **Section III –Composition/Information on ingredients**

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### **Mixture**

<b>Name</b>	<b>CAS NO.</b>	<b>Wt. %</b>
Isopropyl alcohol	67-63-0	10-20

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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## **Section IV – First Aid Measures**

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### **First Aid Measures**

**Inhalation:** Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Ingestion:** Rinse mouth. Call a POISON CENTER or doctor/physician. Immediate medical attention required.

**Skin Contact:** Remove contaminated clothing, wash with plenty of water. If skin irritation persists, call a physician.

### **Most Important Symptoms and Effects, both Acute and Delayed**

#### **Symptoms**

May cause eye irritation.

May cause respiratory irritation.

### **Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:** Treat symptomatically.

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## **Section V – Fire Fighting Measures**

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### **Suitable Extinguishing Media**

Alcohol resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media:** High volume water jet.

### **Specific Hazards Arising from the Chemical**

Carbon oxides

### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved and full protective gear.

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## **Section VI –Accidental Release Measures**

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### **Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe area.

### **Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Contain spillage.

**Methods for Cleaning Up:** Collect with an electrically protected vacuum or by wet-brushing and place in container for disposal. Keep in suitable, closed containers for disposal.

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## Section VII – Handling & Storage

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### Precautions for Safe Handling

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

### Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place.

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## Section VIII – Exposure Controls/ Personal Protection

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### **Exposure Guidelines:**

<b>Chemical Name</b>	<b><u>CAS #</u></b>	<b><u>ACGIH TLV</u></b>	<b><u>OSHA PEL</u></b>	<b><u>NIOSH TWA</u></b>
Isopropyl alcohol	67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA:400 ppm	No data available

**Engineering Controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Respiratory Protection:** Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Eye Protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Hand Protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Skin Protection:** Prevent contact with shoes and clothing; use rubber apron and overshoes.

**Other Protective Equipment:** Eye wash stations and emergency showers should be available. The type and degree of personal protective equipment appropriate will depend on the specific work operation. Inspect and replace personal protective equipment at regular intervals; use professional care in their selection, use and care.

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## Section IX – Physical & Chemical Properties

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### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid
<b>Color</b>	Colorless

<u>Property</u>	<u>Values</u>
pH	7
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	82.22-100 ° C (180-212 ° F)
Flash Point	29.4 ° C (85 ° F) TCC
Evaporation Rate	No data available
Flammability (Solid,Gas)	n/a-liquid
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	0.96
Water Solubility	completely soluble
Solubility in Other Solvents	No data available
Partition Coefficient	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	Not an Explosive
Oxidizing Properties	No data available
Odor	Alcohol odor
Odor Threshold	No data available

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## Section X – Stability & Reactivity

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### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Reacts with strong oxidizing agents.

### Conditions to Avoid

Heat, sparks, flames.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Carbon dioxide, carbon monoxide, oxides of nitrogen.

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## Section XI - Toxicological information

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### Information on Likely Routes of Exposure

#### **Product Information**

Inhalation: May cause drowsiness or dizziness.

Eye Contact: Causes serious eye damage.

Skin Contact: Repeated exposure may cause skin dryness or cracking.

Ingestion: None known.

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol	67-63-0	5840 mg/kg (Rat)	12800 mg/kg (Rabbit)	No data available

Chemical Name	Isopropyl alcohol
Skin corrosion/irritation	No known significant effects
Serious eye damage/irritation	Serious eye irritation
Respiratory or skin sensitization	Not classified
Mutagenicity	No data available
Carcinogenicity	Not classified as a human carcinogen.
Reproductive toxicity	No known significant effects
Specific target organ toxicity-Single exposure	May cause respiratory irritation.
Specific target organ toxicity-repeated exposure	No known significant effects
Aspiration hazard	No data available.

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## Section XII - Ecological information

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There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Isopropyl alcohol	67-63-0	No data available	No data available	No data available

#### **Persistence and Degradability**

No data available

#### **Bioaccumulation**

No data available

#### **Mobility**

No data available

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### Section XIII - Disposal considerations

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#### WASTE DISPOSAL METHOD

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

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### Section XIV - Transport information

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#### DOT Proper Shipping Description:

UN1219, Isopropyl alcohol solution, 3, PGIII

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### Section XV - Regulatory information

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**SARA Title III Section 311/312 (40CFR370):** Fire, Acute and chronic health hazard.

**SARA Title III Section 313 (40CFR372):** Isopropanol.

**CERCLA Status (40CFR302):** Not listed

**RCRA Status(40CFR261.33):** Not listed

**TSCA Inventory Status:** Included

**OSHA/NTP/IARC Carcinogen Status:** Not listed

**Canadian DSL Status:** listed

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**

This material is not known to contain a chemical currently listed as carcinogens or reproductive toxins.

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropanol	X	X	Not listed

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### Section XVI - Other information

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**HMIS ratings:** Health: 2 Flammability: 2 Reactivity: 0

Indication of changes: Revision – 1

Date Sheet Prepared: 08/28/2015

Other information: Author – EHS Administrator

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

**END OF SDS**