

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture  
Trade name : Indicator Solution #5

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Water treatment chemicals

### 1.3. Supplier

Manufacturer:  
Poolmaster Inc.  
770 West Del Paso Road  
Sacramento, CA 95834  
Tel: 916-567-9800

Email: info@poolmaster.com

### 1.4. Emergency telephone number

Emergency number : 916-567-9800 or 1-800-854-1492 (Monday – Friday; 8:00am - 4:30pm PST)

## SECTION 2: Hazard(s) identification

This product is a consumer product and is not subject to the requirements of OSHA HCS 2012. Nonetheless, this SDS, including the hazard identification in accordance with HCS/HazCom 2012, is provided for the information of product users. This product should not present a health or safety hazard under recommended or normal use.

### 2.1. Classification of the substance or mixture

#### GHS US classification

Flammable liquids Category 3 Flammable liquid and vapour  
Serious eye damage/eye irritation Category 2A Causes serious eye irritation

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

Flammable liquid and vapour  
Causes serious eye irritation

Precautionary statements (GHS US) :

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Wash hands thoroughly after handling.  
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.  
In case of fire: Use dry extinguishing powder, alcohol resistant foam, carbon dioxide (CO2), Water spray or fog to extinguish.  
Store in a well-ventilated place. Keep cool.  
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Isopropyl alcohol	(CAS-No.) 67-63-0	15 – 16	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Not expected to present a significant hazard under anticipated conditions of normal use.
- First-aid measures after inhalation : None under normal use.
- First-aid measures after skin contact : None under normal use.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Effects on humans : This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard.
- Symptoms/effects after eye contact : Eye irritation.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None known.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Contains flammable ingredients. On combustion, forms: carbon oxides (CO and CO<sub>2</sub>).
- Explosion hazard : None under normal use.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with eyes. No open flames, no sparks, and no smoking.

##### 6.1.1. For non-emergency personnel

- Protective equipment : None reasonably foreseeable.
- Emergency procedures : No additional risk management measures required.

##### 6.1.2. For emergency responders

- Protective equipment : None reasonably foreseeable.
- Emergency procedures : No additional risk management measures required.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Clean up any spills as soon as possible, using an absorbent material to collect it.
- Methods for cleaning up : Wipe up with absorbent material (for example cloth).
- Other information : Dispose in a safe manner in accordance with local/national regulations.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only in well ventilated areas.
- Hygiene measures : Use good personal hygiene practices. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Keep out of direct sunlight.
- Incompatible materials : Acids. Oxidizing agent.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>Indicator Solution #5</b>	
No additional information available	
<b>Isopropyl alcohol (67-63-0)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	2-Propanol
ACGIH TWA (ppm)	200 ppm
ACGIH STEL (ppm)	400 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2020
<b>USA - ACGIH - Biological Exposure Indices</b>	
Local name	2-PROPANOL
Biological Exposure Indices (BEI)	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)
Regulatory reference	ACGIH 2020
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Isopropyl alcohol
OSHA PEL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
OSHA PEL (TWA) (ppm)	400 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - IDLH - Occupational Exposure Limits</b>	
US IDLH (ppm)	2000 ppm (10% LEL)
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (TWA) (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
NIOSH REL (TWA) (ppm)	400 ppm
NIOSH REL (STEL) (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>
NIOSH REL (STEL) (ppm)	500 ppm

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : None under normal use.
- Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Personal protective equipment:

Not required for normal conditions of use.

##### Eye protection:

If there is a risk of eye contact: Wear safety glasses if needed

##### Other information:

Do not eat, drink or smoke during use.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: Blue
Odor	: None to slight
Odor threshold	: No data available
pH	: 8
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100°C / 212°F
Flash point	: 35°C / 95 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Soluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Non oxidizing material.

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Flammable liquid and vapour.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Acids. Oxidizing agent.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Isopropyl alcohol (67-63-0)	
LD50 oral rat	5840 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	4059 mg/kg
LC50 inhalation rat (mg/l)	72600 mg/m <sup>3</sup> (Exposure time: 4 h)

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Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 8
Serious eye damage/irritation	: Causes serious eye irritation. pH: 8
Respiratory or skin sensitization	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)

Isopropyl alcohol (67-63-0)	
IARC group	3 - Not classifiable

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)

Isopropyl alcohol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic	: No data available
Effects on humans	: This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard.
Symptoms/effects after eye contact	: Eye irritation.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general	: This material has not been tested for environmental effects.
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Isopropyl alcohol (67-63-0)	
LC50 fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	13299 mg/l waterflea
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 other aquatic organisms 2	> 1000 mg/l

### 12.2. Persistence and degradability

Indicator Solution #5	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

Indicator Solution #5	
Bioaccumulative potential	Not established.

Isopropyl alcohol (67-63-0)	
Partition coefficient n-octanol/water (Log Pow)	0.05 (at 25 °C)

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information	: Avoid release to the environment.
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## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Flammable vapors may accumulate in the container.
Ecology - waste materials	: Avoid release to the environment.

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### SECTION 14: Transport information

Consult the associated transport regulations for available and applicable exceptions or exemptions.

#### Department of Transportation (DOT)

In accordance with DOT

Transport document description	: UN1987 Alcohols, n.o.s. (Isopropyl alcohol), 3, III
UN-No.(DOT)	: UN1987
Proper Shipping Name (DOT)	: Alcohols, n.o.s. Isopropyl alcohol
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT)	: III - Minor Danger
Hazard labels (DOT)	: 3 - Flammable liquid



Other information : No supplementary information available.

#### Transportation of Dangerous Goods

Transport document description	: UN1987 ALCOHOLS, N.O.S. (Isopropyl alcohol), 3, III
UN-No. (TDG)	: UN1987
Proper Shipping Name (Transportation of Dangerous Goods)	: ALCOHOLS, N.O.S.
TDG Primary Hazard Classes	: 3 - Class 3 - Flammable Liquids
Packing group	: III - Minor Danger

#### Transport by sea

Transport document description (IMDG)	: UN 1987 ALCOHOLS, N.O.S. (Isopropyl alcohol), 3, III
UN-No. (IMDG)	: 1987
Proper Shipping Name (IMDG)	: ALCOHOLS, N.O.S.
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5 L

#### Air transport

Transport document description (IATA)	: UN 1987 Alcohols, n.o.s. (Isopropyl alcohol), 3, III
UN-No. (IATA)	: 1987
Proper Shipping Name (IATA)	: Alcohols, n.o.s.
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Minor Danger

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Isopropyl alcohol	CAS-No. 67-63-0	15 – 16%
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#### 15.2. International regulations

##### CANADA

##### Isopropyl alcohol (67-63-0)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

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### Isopropyl alcohol (67-63-0)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### National regulations

#### Isopropyl alcohol (67-63-0)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

Revision date : 05 May 2020  
Other information : None.

SDS US (GHS HazCom 2012)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*