1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Identifier**

Product Name: Traceable® Conductivity Standard
Product Number(s): 4065, 4565, 4175, 4270, 4570, 4271, 4274, 4574, 4170, 4172
Pure Substance/mixture: Mixture

**Relevant identified uses of the substance or mixture and uses advised against**

Recommended Use: Calibration and storage of conductivity meters/probes
Uses advised against: Any use which involves bodily contact or ingestion.

**Manufacture/Supplier**

Traceable® Products
12554 Old Galveston Rd. Suite B230
Webster, TX 77598
E-mail address: sales@control3.com
Made In: USA

**Product Information**

281-482-1714

2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

Regulation (EC) No. 1272/2008

**Hazardous Categories:**

- Flammable Liquid: Category 2
- Eye Irritation: Category 2A
- Skin Irritation: Category 3
- Target Organ Toxicity, Single Exposure: Category 3

**Hazard Statements**

- H225: Highly flammable liquid and vapor.
- H315: Causes skin irritation.
- H320: Causes eye irritation.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness

**Label Elements**

Regulation (EC) No. 1272/2008

Hazard components for labeling

**Signal Word:** Warning

**Pictograms:**

- !
- ☢️

**Precautionary Statements**

P202 - Do not handle until all safety information has been read and understood.

**Prevention**

- P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P233: Keep container tightly closed.
- P240: Ground/bond container and receiving equipment.
- P241: Use explosion-proof electrical/ventilating/lighting equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
- P271: Use only outdoors or in a well-ventilated area.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

- P304+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CONTROL or doctor.
- P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse SKIN with water.
**Storage**
Store in a well-ventilated place. Keep container tightly closed. Keep cool. Containers which have been opened must be resealed and kept upright to prevent leakage.

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

**Additional advice on labeling**
Classification according to EU Directives 67/548/EEC or 1999/45/EC.
This product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008.

**OSHA Regulatory Status**
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**EUH210 - Safety data sheet available upon request.**

**Hazards not otherwise classified (HNOC)**
No information available

**Other Information**
No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>Chemical Formula</th>
<th>EC-No.</th>
<th>CAS-No</th>
<th>Classification according Regulation (EC) No. 1272 [CLP]</th>
<th>Weight %</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>-</td>
<td>-</td>
<td>7732-18-5</td>
<td>-</td>
<td>70 %</td>
<td>*</td>
</tr>
<tr>
<td>Potassium chloride</td>
<td>KCL</td>
<td>231-211-8</td>
<td>7447-40-7</td>
<td>-</td>
<td>&lt;0.01 %</td>
<td>*</td>
</tr>
<tr>
<td>N-Propanol</td>
<td>-</td>
<td>200-746-9</td>
<td>71-23-8</td>
<td>-</td>
<td>30 %</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret.*

### 4. FIRST AID MEASURES

**First Aid Measures**

**General Advice**
Use first aid treatment according to the nature of the injury. For further assistance, contact your local Poison Control Center. Show this safety data sheet to the doctor in attendance.

**Eye Contact**
In case of eye contact, remove contact lens and rinse thoroughly with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

**Skin Contact**
Wash off immediately with soap and plenty of water while removing all contaminated clothing and shoes. If skin reactions occur, contact a physician.

**Inhalation**
Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, obtain medical attention.

**Ingestion**
Clean mouth with water and drink afterwards plenty of water. Do not include vomiting. Call a physician or Poison Control Center immediately.

**Production of First-Aiders**
Use personal protective equipment. See Section 8 for more detail. Do not use mouth to mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical devices.

**Most important symptoms and effects, both acute and delayed**
No information available

**Indication of any immediate medical attention and special treatment needed**
No information available

**Notes to Physician**
Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**
No information available

**Specific Hazards Arising from the Chemical**
Thermal decomposition can lead to release of irritating gases and vapors.

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions  Avoid breathing, mist or vapors. Ensure adequate ventilation. Use personal protective equipment. Refer to Section 8. Evacuate personnel to safe areas.

Environmental Precautions  Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Method and Material for Containment and Cleaning Up

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

Methods for Cleaning Up  Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling  To avoid risks to human health and the environment, comply with the instructions for use. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Prevent the buildup of electrostatic charge.

Hygiene Considerations  Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, Including any Incompatibilities

Storage  Keep container tightly closed in a dry and well-ventilated place. Containers which have been opened must be resealed and kept upright to prevent leakage. Store at room temperature in the original container. Keep away from direct sunlight.

Incompatible Products  No information available.

Specific end use(s)  Calibration and storage of pH meters/probes.

Specific use

Risk Management Methods (RMM)  The information required is contained in this Safety Data Sheet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Propanol</td>
<td>71-23-8</td>
<td>200 ppm</td>
<td>200 ppm</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Measures  Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face Protection  Wear chemical splash goggles. If splashes are likely to occur, wear: Face-shield.

Skin and Body Protection  Wear protection gloves/clothing

Respiratory Protection  None required under normal usage. In case of inadequate ventilation wear respiratory protection.

Hygiene Measures  Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties.

Physical State  Liquid
Appearance  Clear
Odor  Alcoholic solvent
Odor Threshold  No information available
pH Range  ~7-9

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks * Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash Point (High in °C)</td>
<td>35 °</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>13.7 V% (Isopropyl alcohol)</td>
<td></td>
</tr>
</tbody>
</table>
## 10. STABILITY AND REACTIVITY

**Reactivity**
No information available

**Chemical Stability**
Stable under normal conditions

**Possibility of Hazardous Reactions**
May form explosive mixture with air.

**Conditions to Avoid**
Heat, flames and sparks. Extremes of temperature and direct sunlight

**Incompatible Materials**
Aluminum, Acids, Oxidizing agents, Halogenated compounds, Acid anhydrides

**Hazardous Decomposition Products**
Carbon oxides, product vapors

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>LD50 &gt; 90 ml/kg (Rat)</td>
<td>-</td>
</tr>
<tr>
<td>1-Propanol</td>
<td>71-23-8</td>
<td>LD50 8,038 mg/kg (Rat)</td>
<td>LD50 4,000 mg/kg (Rabbit)</td>
</tr>
</tbody>
</table>

### Information on Toxicological Effects

**Symptoms**
No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- **Sensitization**
  No information available

- **Mutagenic Effects**
  No information available

- **Carcinogenicity**
  No component >0.1% is listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen.

- **Reproductive Effects**
  No information available

- **STOT – single exposure**
  Central nervous system depression

- **STOT – repeated exposure**
  Nausea, dizziness, narcosis or drowsiness

- **Aspiration hazard**
  No information available
12. ECOLOGICAL INFORMATION

Ecotoxicity
This material is not expected to be harmful to aquatic life.

<table>
<thead>
<tr>
<th>Component</th>
<th>Freshwater Algae</th>
<th>Freshwater Fish</th>
<th>Water Flea</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Propanol</td>
<td>-</td>
<td>LC50: - Pimephales promelas (fathead minnow) – 4,555 mg/l - 96 h</td>
<td>EC50 – Daphnia magna (Water flea) – 3,642 mg/l – 48 h</td>
</tr>
</tbody>
</table>

Persistence and Degradability
No information available

Bioaccumulation/Accumulation
The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.

Mobility
No information available

Results of PBT and vPvB assessment
No information available

Other adverse effects
No information available

Endocrine Disruptor Information
No information available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Improper disposal or reuse of this container may be dangerous and illegal.

14. TRANSPORT INFORMATION

DOT
UN-No: UN1274
Proper Shipping Name: n-Propanol solution, 3
Hazard Class: 3
Packing Group: III
Reportable Quantity (RQ): Not possible in one non-bulk package
Special Provisions: N/A
Shipping Description: UN1274, n-Propanol solution, 3, III
Marine Pollutant: No

The description shown may not apply to all shipping situations. Consult 49CFR, OSHA or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name, labeling) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

European Union Regulations
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

International Inventories
USINV: Component listed
CANINV: Component listed
EINECS/ELINCS: Component listed
ENCs: Complies
IECSC: Complies
KECL: Complies
PICCS: Complies
AICS: Component listed

USINV/ TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
CANINV/ DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCs - Japanese Existing and New Chemical Substances
IECSC - Chinese Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
WHMIS (Canada): CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects: None

U.S. Federal Regulations
This product is known to be a “Hazardous Chemical” as defined by the OSHA Hazardous Communication Standard, 29 CFR 1910.1200. Flammable liquid, Target Organ Effect, Irritant

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization
Acute Health Hazard No
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act
Not applicable

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

U.S. State Regulations
California Proposition 65
This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

State Right-to-Know
Massachusetts Right-to-Know Act – Substance List n-Propanol
New Jersey Worker and Community Right-to-Know Act n-Propanol
Pennsylvania Right-to-Know Act – Hazardous Substance n-Propanol
Rhode Island Right-to-Know Act Not regulated

U.S. EPA Label Information
No information available

16. OTHER INFORMATION

Revision Date: 21-June-2018
Hazard Categories: Health Fire Pressure Reactivity
Immediate Yes Yes No No
Reference 49 CFR 171.8, OSHA 29 CFR 1910.1200 and Reference 49 CFR 171.8,
Delayed Yes No XXX XXX
SARA 302/311/312/313.
HMIS Hazard ratings: Health 2 Fire 3 Instability 0 Other B (Goggles, gloves)
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4

This SDS is in accordance to Regulation (EC) No. 1907/2006.

Disclaimer:
IMPORTANT: The information contained in this SDS is correct to the best of our knowledge as of the issue date (or subsequent revision date, if any), and is to be used only as a guide. This SDS does not constitute a guarantee (express or implied) of any kind and we make no warranties of any kind as to the accuracy or completeness of the information contained herein or the merchantability or fitness of the product or this information for a purpose. It is the responsibility of each individual buyer/user to determine the suitability of this information and the product for its intended purposes. This information relates only to the designated product as shipped and may not be valid if the product is used in combination with any other materials or is not used in accordance with our instructions, or is altered in any way. It is the responsibility of the buyer/user to ensure that its activities comply with all applicable government requirements. Since conditions of use of the product are not under direct control of Traceable® Products, it is the duty of the buyer/user to determine the necessary conditions for the safe use of the product. Traceable® Products will not be liable for any injuries or damages resulting from handling, use, misuse or contact with the product.