

Material Safety
Data Sheet

Item: TDS/Conductivity Standard Solution, KCl
Date prepared: 01/01/2003

Revision No: 2

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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|--------------------------------|--|--|
| Common Name/ Trade Name | Conductivity Calibrator Solution (KCl) | |
| Manufacturers Name: | H&S Technical Services, Inc. 1833 W Main St Ste 119 Mesa, AZ 85201 800-923-2486 | |
| Synonym | N/A | |
| Chemical Formula | KCl and H ₂ O | |
| Chemical Family | Inorganic Salts | |
| Supplier | H&S Technical Services, Inc. 1833 W Main St Ste 119 Mesa, AZ 85201 800-923-2486 | |

SECTION 2. COMPOSITION/ INFORMATION ON INGREDIENTS

| Name | CAS# | % by Weight |
|---------------------|-------------|--------------------|
| Iodine solution, 5% | 7553-56-2 | <0.1 |
| Potassium Chloride | 7447-40-7 | <1.0 |
| Water | 7732-18-5 | 99.0 |

SECTION 3. HAZARDS IDENTIFICATION

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|----------------------------------|--|---------------|
| Potential Acute Health Effects | Not dangerous in case of skin contact (non-corrosive for skin, non-sensitizer for skin, non-permeator by skin), of inhalation | |
| Potential Chronic Health Effects | Not dangerous in case of skin contact (non-corrosive for skin, non-sensitizer for skin, non-permeator by skin), of inhalation, of ingestion. | |
| | Carcinogenic Effects: | Not available |
| | Mutagenic Effects: | Not available |
| | Teratogenic Effects: | Not available |
| Eye Contact | Minor irritant | |

SECTION 4. FIRST AID MEASURES

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| Eye Contact | IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. |
| Skin Contact | NO known EFFECT. Gently wash the contaminated skin with running water and non-abrasive soap. |
| Inhalation | Allow the victim to rest in a well-ventilated area. Seek medical attention if irritation persists. |
| Ingestion | Remove dentures if any. DO NOT INDUCE. SEEK medical attention if irritation persists. |

SECTION 5. FIRE AND EXPLOSION DATA

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|---|-----------------------|
| Flammability of the Product | Non-flammable |
| Auto-Ignition Temperature | N/A |
| Flash Points | N/A |
| Flammable Limits | N/A |
| Products of Combustion | N/A |
| Fire Hazards In Presence of Various Substances | N/A |
| Explosion Hazards In Presence of Various Substances | N/A |
| Fire Fighting Media And Instructions | Non-flammable |
| Special Remarks on Fire Hazards | No additional remarks |
| Special Remarks on Explosion Hazards | No additional remarks |

SECTION 6. ACCIDENTAL RELEASE MEASURES

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| Small Spill | Mop up, may be flushed to drain |
| Large Spill | No additional information in case of a spill and/or leak of this product. Mop up and dispose of according at local and regional authority requirements. |

SECTION 7. HANDLING AND STORAGE

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| Handling | Store in a closed container, cool dry, in well-ventilated area, at room temperature. |
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SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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| Personal Protection | Safety glasses |
| Exposure Limits | Not available |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State and Appearance | Clear colorless, odorless, liquid | | | |
| PH | Neutral | | Refract Index | N/A |
| Boiling Point | 100°C (212°F) | | Surface Tension | N/A |
| Melting Point | N/A | | % Volatile | N/A |
| Critical Temperature | N/A | | | |
| Water Solubility | Complete | | | |
| Viscosity | N/A | | | |
| Spec. Gravity | Like water | | | |

SECTION 10. STABILITY AND REACTIVITY

| | |
|---|--------------------------|
| Stability | Stable |
| Instability Temperature | Not Available |
| Conditions of Instability | No additional remark |
| Incompatibility With Various Substances | Not Available |
| Polymerization | Does not occur |
| Hazardous Decomposition Products | None from water solution |

SECTION 11. TOXICOLOGICAL INFORMATION

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| Routes of Entry | Ingestion |
| Toxicity to Animals | LD50: Not available LC50: Not available |
| Chronic Effects on Humans | Toxicity of the product to the reproductive system: Not available |
| Special Remarks on Other Toxic Effects on Humans | Material is irritating to mucous membranes and upper respiratory tract. |

SECTION 12. ECOLOGICAL INFORMATION

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| Ecotoxicity | Not Available |
| BOD5 and COD | Not available |
| Products of Biodegradation | Some metallic oxides |

SECTION 13. DISPOSAL CONSIDERATIONS

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| Waste Disposal | Recycle to process, if possible. Consult your local or regional authorities. |
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SECTION 14. TRANSPORT INFORMATION

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| DOT Classification | Not a DOT controlled material (United States) |
| Special Provisions for Transport | N/A |

SECTION 15. OTHER REGULATORY INFORMATION

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| Federal and State Regulations | The following products(s) is (are) listed on TSCA: Potassium Chloride, Iodine, Water |
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SECTION 16. OTHER INFORMATION

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| Catalog Number (s) | 10017,10018,10019,10020 |
| References | Not Available |
| Notice to Reader All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. This information contained herein is based on data available at this time and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. | |
| NFPA Hazard Ratings | |
| Health: | 0 |
| Flammability: | 0 |
| Reactivity: | 0 |
| Special Hazards: | 0 |