

CONDUCTIVITY STANDARD, 74 umhos/cm

MATERIAL SAFETY DATA SHEET

INTEGRA Chemical Company
710 Thomas Ave SW
Renton, WA 98055
Phone: 425-277-9244
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)

MSDS Number: C746.7D
Revision Date: 19-Sep-03
Revision #: 003

Product Identification

Product Name: CONDUCTIVITY STANDARD, 74 umhos/cm
Synonyms: Potassium chloride, 0.0005 M
Chemical Formula: Mixture
Formula Weight:
Chemical Family: Standard
Integra Product Numbers: C746.7D

Hazard Overview

HMIS Rating: 0-0-0-B NFPA Rating: NE
Warning Label:

Caution.

Use safe chemical handling practices. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Components

Component	CAS #	%
Water	07732-18-5	99.996
Potassium chloride	07447-40-7	0.004

Physical Data

Boiling Point: NA Specific Gravity: 1.00 Water=1
Melting Point: NA Evaporation Rate: NA
Vapor Pressure: NA Vapor Density: NA Air = 1

Solubility:

Miscible with water.

Appearance and Odor:

Clear, colorless liquid. No odor.

Fire and Explosion Data

Flash Point: NA Test Method:
Auto-ignition Temperature: NA
Flammable Limits (% by volume in air): Upper: NA Lower: NA

Fire Extinguishing Media:

Material is not flammable. Use extinguishing media suitable to surrounding materials.

Special Firefighting Procedures:

Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.

Unusual Fire and Explosion Hazards:

None identified

Health Hazard Information

Effects of Overexposure

Skin Contact:

None Identified

Eye Contact:

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Health Hazard Information

Eye Contact:

None Identified

Ingestion:

None Identified

Inhalation:

None Identified

Chronic Effects of Overexposure:

None Identified

Exposure Limits:

OSHA PEL

	<u>TWA</u>	<u>STEL</u>	<u>Ceiling</u>
Water	NE	NE	NE
Potassium chloride	NE	NE	NE

ACGIH TLV

	<u>TWA</u>	<u>STEL</u>	<u>Ceiling</u>
Water	NE	NE	NE
Potassium chloride	NE	NE	NE

Toxicity Data:

Water	No information available		
Potassium chloride	LD50 (intravenous, rat)	39 mg/kg	
	LD50 (intraperitoneal, rat)	660 mg/kg	
	LD50 (oral, mouse)	383 mg/kg	
	LD50 (oral, guinea pig)	2500 mg/kg	
	LD50 (oral, rat)	3020 mg/kg	

Medical Conditions Generally Aggravated by Exposure:

None Identified

Target Organs:

None Identified

Reproductive Effects:

None Identified

Carcinogenicity:

None Identified

<u>Component</u>	<u>NTP Listing</u>	<u>IARC Listing</u>	<u>OSHA Regulated</u>
Water	No listing	No Listing	<input type="checkbox"/>
Potassium chloride	No listing	No Listing	<input type="checkbox"/>

Emergency First Aid Procedures

Skin Contact:

Wash with soap and water. Seek medical attention if irritation develops.

Eye Contact:

Flush eyes with water. If irritation persists, seek medical attention.

Inhalation:

Remove to fresh air.

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Emergency First Aid Procedures

Ingestion:

Do not induce vomiting. If adverse symptoms develop, seek medical attention.

Additional First aid and Treatment Notes:

No information available

Reactivity Data

Stability: Stable

Hazardous Polymerization: Will Not Occur

Incompatibles:

None identified

Decomposition Products:

None identified

Conditions to Avoid:

Contamination.

Spill and Disposal Procedures

Spill and Leak Procedures:

Absorb with inert material and place into a container for disposal.

Disposal Procedures:

Dispose in accordance with all Local, State and Federal regulations.

Protective Equipment

Ventilation:

Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.

Respiratory Protection:

None needed unless use generates annoying or irritating dusts, mists or vapors. Use a dust/mist respirator mask if necessary.

Skin and Eye Protective Equipment:

Safety glasses. Use good chemical handling practices.

Storage and Handling Precautions

Storage Area: GENERAL

Store in a cool, dry area. Protect containers from physical damage. Protect material from contamination. Sensitive standard, handle carefully.

Transportation Information

Regulated Material domestic ground transportation

(reference: CFR Title 49, Transportation)

Proper Shipping Name:

UN or NA Identification number:

Packing Group:

Hazard Class and Label:

Subsidiary Risk and Label:

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Transportation Information

Regulated Material via Air Transportation

(reference: ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air)

Proper Shipping Name: _____ Hazard Class and Label: _____
 UN Identification Number: _____ Subsidiary Risk and Label: _____
 Packing Group: _____

Packing Instruction Max net qty per package

Passenger Aircraft: _____
 Cargo Aircraft: _____

Regulatory Information

<u>Component</u>	<u>TSCA</u> <u>Inventory</u>	<u>CERCLA</u> <u>RQ</u>	<u>SARA EHS</u> <u>TPQ</u>	<u>SARA 313 Toxic Release</u> <u>de minimus</u>
Water	<input type="checkbox"/>	lbs	<input type="checkbox"/>	lbs
Potassium chloride	<input checked="" type="checkbox"/>	lbs	<input type="checkbox"/>	lbs
<u>SARA Hazard Categories:</u>	<u>Acute</u>	<u>Chronic</u>	<u>Flammability</u>	<u>Pressure</u>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Potassium chloride	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Clean Air Act Categories:</u>	<u>SOCMI</u>	<u>HAP</u>	<u>Volatile HAP</u>	<u>Organic HAP</u>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Potassium chloride	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MSDS Revision History:

- 002 - Changed header phone number
- 003 - Format revisions; updated header phone number

NE = Not established, NA = Not applicable or Not available

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***** END OF MSDS *****