

Ultronics® 10 Minute Instrument Disinfectant

Revision Date: October 2014

Internal Document Number: 48238-02B

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Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ultronics® 10 Minute Instrument Disinfectant**Product Code(s):** 70045, 70451**Relevant identified uses of the mixture and uses advised against:** Intended to be used for in an ultrasonic bath for disinfecting instruments used in the hair and cosmetics industry.**Synonyms:** UL45**Distributed by:**

Dentronix Inc.

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Cuyahoga Falls, OH 44223

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USA & Canada: 1 800 535 5053

Copies of this SDS can be found

www.ultronicsusa.com

Section 2: HAZARDS IDENTIFICATION

Classifications: Skin Corrosion/Irritation Category 1 Sub-Category C, Serious Eye Damage/Eye Irritation Category 1, Flammable Liquids Category 3**Appearance:** Clear, Light Amber Liquid, Mild Lavender Odor**Contains:** Alcohols, Sodium Orthobenzyl Parachlorophenate, Sodium Ortho Phenylphenate, Sodium Para Tertiary Amyl Phenate**Route(S) Of Exposure:** Dermal, Eye, Inhalation, Ingestion

This product is a U.S. EPA Registered pesticide, EPA Reg. No. 211-36, and is subject to specific labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products. FIFRA labels approved by EPA pre-empt OSHA's label requirements.

OSHA Labeling Elements:**Hazard Category**Skin corrosion/irritation Category 1
Sub-category CSerious eye damage/eye irritation
Category 1

Flammable Liquids Category 3

Signal Word:

Danger

Hazard Statements:Causes severe skin burns and eye damage
Flammable liquid and vapor**Prevention:**

Do not breathe dust/ fume/ gas/ mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment Use explosion-proof equipment. Use only non-sparking tools. Take precautionary

Response:

Immediately call a POISON CENTER or doctor/physician. 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 CENTER or doctor/physician. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist. IF SWALLOWED: Call a

Storage:Store locked up –
KEEP OUT OF THE
REACH OF
CHILDREN. Store in
a well-ventilated
place. Keep cool.**Disposal:**

Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

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measures against static discharge

poison center or doctor/physician. Do not induce vomiting. Rinse mouth. Never give anything by mouth to a person who is unconscious or convulsing. Note to physician: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately. IN CASE OF FIRE: Use CO₂, dry chemical, or foam for extinction

Other Hazards: Toxic to aquatic life**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Substance	CAS	Percent (w/w%)
Isopropyl Alcohol	67-63-0	< 8
Ortho-benzyl-para-Chlorophenol	120-32-1	< 5
Para-tertiary Amylphenol	80-46-6	< 3
2-Phenylphenol	90-43-7	< 3

Section 4: FIRST AID MEASURES

General Advice Provide this SDS to medical personnel for treatment. Always get medical attention when product is swallowed or when symptoms are significant or persist.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

Skin Contact Wash liberally with soap and water. If on clothes: Wash before reuse. If symptoms persist, call a physician.

Inhalation Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician / poison center if individual's condition declines or if symptoms persist.

Ingestion If patient is conscious and alert, dilute by drinking milk, egg whites or large quantities of water. Do not induce vomiting without medical advice. Get medical attention immediately.

Most important symptoms and effects: Symptoms - If in eyes: Burning sensation, watering, or redness. If on skin: Redness, irritation, or burning sensation with prolonged exposure. If spray mist is inhaled: Possible lung damage, irritation and/or burning sensation. If swallowed: Drowsiness, irregular pulse, loss of consciousness. Possible gastrointestinal irritation or disturbance such as cramps and stomach pains.

Indication of any immediate medical attention and special treatment needed: Notes to Physician: If the product is ingested, probable mucosal damage may contraindicate

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Alcohol resistant foam, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media: Not determined.

Specific Hazards Arising from the Chemical: Flammable liquid and vapor.

Hazardous Combustion Products: Burning may release combustion products such as Phenolics, carbon monoxide, carbon dioxide, and chlorine.

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Sensitivity to Static Discharge: Take precautionary measures against static discharge.**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. Use water spray to keep exposed containers cool to prevent bursting.**Section 6: ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment, and Emergency Procedures:** use personal protection recommended in Section 8.**Methods for Containment and Clean-up:** Prevent further leakage or spillage if safe to do so. Absorb spill with an inert absorbent material. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. This product is toxic to fish and aquatic organisms.**Other Information:** none noted**Section 7: HANDLING AND STORAGE****Precautions for Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean and closed. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Ground/bond container and receiving equipment. Use non-sparking hand tools and explosion-proof electrical equipment. Take precautionary measures against static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling.**Conditions for Safe Storage, Including Incompatibilities:** Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children. Store locked up. Keep cool Do not store at temperatures above 120°F.**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Component Exposure Limits:**

Component:	ACGIH TLV:	NIOSH ILDH:	OSHA PEL:
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m3 STEL: 500 ppm STEL: 1225 mg/m3	TWA: 400 ppm TWA: 980 mg/m3 (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m3 (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m3
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m3	IDLH: 10 mg/m3 Ceiling: 2 mg/m3	TWA: 2 mg/m3 (vacated) Ceiling: 2 mg/m3

Appropriate Engineering Controls: Mechanical (General): Normally Sufficient Local Exhaust: Not Normally Needed.**Personal Protective Equipment (Eyes and Face):** USE Safety Glasses when splashing or spraying of the product into the eyes is likely or possible.**Personal Protective Equipment (Skin):** Gloves are required for exposure to the concentrate when diluting or for long exposures to end-use dilutions. Persons sensitive to cleaning chemicals should always wear gloves.**Personal Protective Equipment (Respiratory):** General ventilation is normally adequate. Use appropriate respiratory protection if application method produces a fine spray or mists.

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General Hygiene Considerations: Wash hands after using. Do not get into eyes, on skin, or clothing. May be harmful if swallowed. Protect food and drink from contamination by product. Wash contaminated clothing before reuse

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, amber liquid	Viscosity:	No data
Odor:	Mild lavender	Odor Threshold:	No data
pH:	11.50-12.50	Boiling Point:	100 °C / 212 °F
Melting Point:	No data	Solubility (H ₂ O):	Completely soluble
Specific Gravity:	1.05-1.07	Density:	8.75-8.92 lbs/gal
Octanol / H ₂ O Coefficient:	No data	Evaporation Rate:	No data
Molecular Weight:	No data	Decomposition Temp:	No data
Auto Ignition:	No data	LFL:	No data
Flash Point:	46.11 °C / 115 °F	UFL:	No data
Vapor Density:	No data	Vapor Pressure:	No data
VOC:	No data	Flammability Class:	No data

Section 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to Avoid: Extreme high temperatures, sparks and open flames. Incompatible Materials.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide (CO₂).

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Dermal (Skin And Eye), Inhalation, Ingestion

Information on likely routes of exposure

Eye Contact: Causes severe eye damage.

Skin Contact: Causes severe skin burns.

Inhalation: Avoid breathing vapors or mists. May cause irritation to the mucous membranes and upper respiratory tract.

Ingestion: Ingestion causes burns of the upper digestive and respiratory tracts.

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Isopropyl Alcohol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat)	= 12870 mg/kg (Rabbit) = 72.6 mg/L (Rat) 4 h
Ortho-benzyl-para-hlorophenol 120-32-1	= 1700 mg/kg (Rat)	-	-
Para-tertiary Amylphenol 80-46-6	= 1830 mg/kg (Rat)	= 2 g/kg (Rabbit)	-
2-Phenylphenol	= 1049 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 0.949 mg/L (Rat) 1 h

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90-43-7			
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg (Rabbit)	-

Carcinogenicity: Isopropyl Alcohol, 2-Phenylphenol are listed by IARC as Group “not classifiable as human carcinogens”.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic organisms.

Persistence / Degradability Not determined.

Bioaccumulative Potential: Not determined.

Mobility in Soil: moderate to high mobility in soil (Isopropyl Alcohol, Partition Coefficient = 0.05 / 2-Phenylphenol, Partition Coefficient = 3.18)

Other Adverse Effects: Not determined.

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Additional Disposal Considerations:

Dispose if shelf-life has been exceeded.

Container Disposal: Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

California Hazardous Waste Status:

Isopropyl Alcohol – CAS 67-63-0: Toxic Ignitable

Sodium hydroxide – CAS 1310-73-2: Toxic Corrosive




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Section 14: TRANSPORT INFORMATION

Agency	Proper Shipping Name	UN-No.	Hazard Class	Label
DOT	Consumer Commodity	ID8000	Consumer Commodity	
*Sea Transport IMDG/GGV Sea	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (ISOPROPANOL, SODIUM HYDROXIDE)	UN2924	3, 8 PG III	 
Air Transport ICAO-Ti and IATA-DGR				

*Marine Pollutant for IMDG and IATA

Section 15: REGULATORY INFORMATION

This product is a U.S. EPA Registered pesticide, EPA Reg. No. 211-36, and is subject to specific labeling requirements under Federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide products. FIFRA labels approved by EPA pre-empt OSHA's label requirements.

CERCLA: This mixture contains Sodium hydroxide CAS 1310-73-2. Sodium Hydroxide has a reportable quantity threshold of 1000 lb / 454 kg.

SARA Section 313:

Chemical Name	CAS No	Weight-%	SARA 313 – Threshold Values %
Isopropyl Alcohol	67-63-0	5-10	1.0
Ortho-benzyl-para-Chlorophenol	120-32-1	1-5	0.1
2-Phenylphenol	90-43-7	1-5	1.0

Inventories: Not determined**California Proposition 65:** This Product Contains Chemicals Known To The State of California To Cause Cancer.

Canadian Regulations require the inclusion of the following statements under "Regulatory Information": This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16: OTHER INFORMATION

NFPA Ratings:

Health: 2

Fire: 2

Reactivity: 0

HMIS Ratings:

Health: 2

Fire: 2

Reactivity: 0

(NFPA and HMIS Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe)

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REVISION HISTORY

REVISION	DATE	ECN#	CHG BY	APPR BY	DESC. OF CHANGE
A	10/03/14	14425	TG	SBL	Updated MSDS to GHS/SDS Format. 48238-02 Revision A supersedes 48004 revision G.
B	10/28/14	14488	SBL	JD	Modified address in Section 1.

The information and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof. Dentronix Inc., however, makes no representations as to the completeness of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability of their purposes prior to use. In no event will Dentronix Inc. be responsible for damages of any nature whatsoever resulting from use of or reliance upon information.