

Ultronics® Jewelry Cleaner Ammoniated Super Concentrate

Revision Date: October 2014

Internal Document Number: 48235B

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Section 1: PRODUCT AND COMPANY IDENTIFICATION**Product Name:** Ultronics® Jewelry Cleaner Ammoniated Super Concentrate**Product Code(s):** 70035, 70353**Relevant identified uses of the mixture and uses advised against:** For removing cleaning compounds, grease, and soil from precious metals and gems. Uses advised against: none noted.**Synonyms:** UL35**Distributed by:**

Dentronix Inc.
235 Ascot Parkway
Cuyahoga Falls, OH 44223
Phone: 1 800-262-6262
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For information email sales@ultronicsusa.com

Emergency Contact Number:

USA & Canada: 1 800 535 5053

Copies of this SDS can be found

www.ultronicsusa.com

Section 2: HAZARDS IDENTIFICATION**Classifications:** Eye Irritation (Category 1), Skin Irritant (Category 2), Flammable Liquids (Category 4), Reproductive Toxicity (Category 2)**Appearance:** Purple Liquid with Slight Amine/Alcohol Odor**Contains:** Tetrahydrofurfuryl Alcohol, Ammonium Hydroxide**Route(s) of Exposure:** Dermal (Eye/Skin), Inhalation, Ingestion**Labeling Elements:****Hazard Category**

Eye Irritation (Category 1)
Skin Irritant (Category 2)
Reproductive Toxicity (Category 2)
Flammable Liquids (Category 4)

Signal Word:

DANGER

Hazard Statements:

Causes serious eye damage
Causes skin irritation
Suspected of damaging fertility in adult males when inhaled or absorbed through the skin.
Combustible liquid

**Prevention:**

Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. Obtain special instructions before use. Wash contacted skin thoroughly after handling. Keep away from flames and hot surfaces. – No smoking.

Response:

If on skin: Wash with plenty of water. Specific treatment: see Section 4 of this SDS. If skin irritation occurs: Get medical advice / attention. Take off contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a physician. (Reproductive Toxicity) If exposed or concerned: Get medical advice/attention. In case of fire: use water, co2, dry chemical or foam to extinguish.

Storage:

Store locked up.
Store in a well-ventilated place.
Keep cool.

Disposal:

Dispose of contents/container in accordance with local / regional / national / international regulations.

Other hazards which do not result in classification: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.**PBT/vPvB Assessment:** This product does not contain persistent, bioaccumulative and toxic chemicals (PBT's) nor does this product contain any very persistent and very bioaccumulative chemicals (vPvB's).**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Substance	CAS	EC Number	Index Number	Percent (w/w%)
Ammonium Hydroxide (Ammonia)	1336-21-6	215-647-6	007-001-01-2	2.9
2-Furanmethanol, tetrahydro- (Tetrahydrofurfuryl Alcohol)	97-99-4	202-625-6	603-061-00-7	4.0

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Section 4: FIRST AID MEASURES**Inhalation:** Get to fresh air, if irritation persists, consult a physician**Eyes:** Irrigate exposed eyes with copious amounts of room temperature water for at least 15 minutes. If irritation, pain or swelling, the patient should be seen in a health care facility.**Skin:** Remove contaminated clothing and wash exposed area thoroughly with soap and water. A physician may need to examine the area if irritation or pain persists.**Ingestion:** Do not induce vomiting. Drink water to dilute and contact a physician.**Section 5: FIRE FIGHTING MEASURES****Vapors are flammable at ambient temperatures and atmospheric pressure. Containers may rupture or explode under fire conditions.**

Flammability: Flammable

Flash Point: 64 °C (148 °F)

LEL: Not Established

UEL: Not Established

LEL – Lower Explosion Limit / UEL – Upper Explosion Limit

Extinguishing Media: Water, CO2 , dry chemical or foam**Specific Hazards Arising from the Chemical:** None.**Protective Equipment and Precautions for Firefighters:** standard protection for all firefighters stated in this subsection of the SDS text should include self-contained breathing apparatus (SCBA) and full firefighting turn-out gear (Bunker gear).**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:** Ventilate contaminated area, remove all sources of ignition, stop or reduce discharge if it can be done safely. Small Quantities may be diluted with water and flushed down the drain with copious amounts of water. Do not let product enter drains.**Other Information:** CERCLA: Ammonium Hydroxide Reportable Quantity = 1,000 pounds.**Section 7: HANDLING AND STORAGE****Precautions for Safe Handling:** Always wear gloves and eye protection. Keep container closed when not in use.**Conditions for Safe Storage, Including Incompatibilities:** Store locked up. Store in a well-ventilated place. Keep cool.**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****Component Exposure Limits:**

Component:	Concentration:	NIOSH REL:	OSHA PEL:	IDLH:	AIHA WEEL	STEL's	Notation
Tetrahydrofurfuryl Alcohol	4.0%	400 ppm	400 ppm	None	0.5 ppm TWA	None	None

Always handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Appropriate Engineering Controls: Sufficient exhaust & general ventilation should be provided to keep vapor concentration below recommended levels.**Personal Protective Equipment (Eyes and Face):** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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Personal Protective Equipment (Skin): Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. For splash contact use nitrile rubber gloves. For full contact use butyl-rubber. Wash and dry hands after removing gloves.

Personal Protective Equipment (Respiratory): None required for well-ventilated areas when product is used as required.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Purple liquid	Viscosity:	50 cps (Brookfield LVT#1, 30 RPM)
Odor:	Alcohol/Amine	Odor Threshold:	No data
pH:	Conc, 10 – 11, Dilute (1:64) 9 - 11	Boiling Point:	100
Melting Point:	No data	Solubility (H ₂ O):	Infinitely soluble in water
Specific Gravity:	No data	Density:	1.03 g/cc (25°C)
Octanol / H ₂ O Coefficient:	No data	Evaporation Rate:	No data
Molecular Weight:	No data	Decomposition Temp:	No data
Auto Ignition:	No data	Lower Flammability Limit:	No data
Flash Point:	64°C (146°F)	Upper Flammability Limit:	No data
Vapor Density:	No data	Vapor Pressure:	No data
VOC:	No data	Flammability Class:	No data

Section 10: STABILITY AND REACTIVITY

Reactivity: Strong Oxidizers.

Chemical Stability: Chemically stable.

Possibility of Hazardous Reactions: This product is not known to be susceptible to chemical reactions that can result in undesirable effect(s).

Conditions to Avoid: Acidic conditions.

Incompatibility: None.

Hazardous Decomposition Products: Carbon Monoxide.

Section 11: TOXICOLOGICAL INFORMATION

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

Hazardous Components: Tetrahydrofurfuryl Alcohol, Ammonium Hydroxide

Toxicity Data: ATE (Acute Toxicity Estimate) > 2,000 mg/kg

Symptoms of Acute Toxicity:

Inhalation: Irritates the respiratory tract causing coughing, wheezing, and shortness of breath.

Skin Contact: May cause irritation. Can cause burns and blisters after 15 min of exposure.

Eye Contact: If not flushed with water immediately, contact with eye may cause partial or complete blindness.

Ingestion: Will cause pain if swallowed and burning of the throat and stomach. May cause vomiting.

Symptoms of Chronic Toxicity: Repeated exposure can cause chronic eye, nose, and throat irritation. Repeated lung irritation can result in bronchitis with coughing, shortness of breath, and phlegm.

Sensitization: Contains Citric Acid. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Carcinogenicity: Does not contain any substances classified as carcinogens by NTP, ACGIH, IARC or OSHA

Mutagenicity: No data available.

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Reproductive Toxicity:

Tetrahydrofurfuryl Alcohol:

Inhalation (Rat): Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count). Paternal Effects: Testes, epididymis, sperm duct. Paternal Effects: Prostate, seminal vesicle, Cowper's gland, accessory glands.

Skin (Rat): Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: UL35 has not been tested and the Ecotoxicity unknown; however, UL35 contains substances known to be harmful to aquatic organisms:

Substance	Concentration	Fish	Crustacean	Algae
Siloxane Polyalkyleneoxide Copolymer	2.8%w/w	LC50 (Zebra Fish) 2.75 mg/l 96 h	EC50 (Daphnia similis) 22.61 mg/l, 48 h	NOEC (Selenastrum capricornutum) 1 mg/l, 96 h
Ammonium Hydroxide	2.9%w/w	LC50 (Fathead minnow) = 8.2 mg/L; 96 h	EC50 (flea Daphnia) 0.66 mg/L	No data

Persistence / Degradability Not known.

Bioaccumulative Potential: Not known.

Mobility in Soil: Moderate to high mobility in soil.

Other Adverse Effects: None known.

This product does not contain persistent, bioaccumulative and toxic chemicals (PBT's) nor does this product contain any very persistent and very bioaccumulative chemicals (vPvB's).


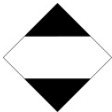

Section 13: DISPOSAL CONSIDERATIONS

Product: Not considered a RCRA hazardous waste as identified in Fed. Reg. 40CFR261. If this product cannot be used as directed by the label, contact the local Environmental Control Agency or Agent.

Additional Disposal Considerations: Dispose if shelf-life has been exceeded.

Section 14: TRANSPORT INFORMATION

Emergency Response Guide Number: 132

Agency	Proper Shipping name	UN-No.	Hazard Class	Label
DOT	Consumer Commodity	ID8000	Consumer Commodity	 or 
Sea Transport IMDG/GGV Sea	Alcohols, n.o.s.	UN1993	PG III	
Air Transport ICAO-Ti and IATA-DGR	Alcohols, n.o.s.	UN1993	PG III	

Section 15: REGULATORY INFORMATION

SARA Sections 302 and 304: This product does not contain Extremely Hazardous Substances (EHS) and is not subject to emergency planning requirements.

CERCLA: Ammonium Hydroxide Reportable Quantity = 1,000 pounds.

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SARA Section 313: Ammonium Hydroxide is subject to SARA 313 Toxic Release Inventory (TRI) reporting requirements.

International Inventories:

US (TSCA): The components within this product are included on the TSCA Inventory of Chemical Substances

Canada (DSL): All ingredients are on the inventory or exempt from listing.

California Proposition 65: There are no chemicals within this mixture on the Proposition 65 List.

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: 1

HMIS Ratings:

Health: 2
Fire: 2
Reactivity: 1

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

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. 48255 Revision A supersedes 48000 revision H.
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.