

Safety Data Sheet

Ultronics® Jewelry Cleaner Ammoniated Super Concentrate

Coltene Inc.

Internal Document Number: 48235C

Revision Date: July 2018


Section 1 - IDENTIFICATION

Product Names: Ultronics® Jewelry Cleaner Ammoniated Super Concentrate

Product Code(s): 70035, 70353

Recommended Use: For removing cleaning compounds, grease and soil from precious metals and gems.

Restrictions on Use: None noted

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Copies of this SDS can be found at
www.ultronicsusa.com

Section 2 - HAZARD(S) IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Hazard Category, Subcategory: Skin Corrosion/Irritation (Category 2)
Serious Eye Damage/Irritation (Category 1)
Toxic to Reproduction (Unborn Child) – (Category 1B)
Toxic to Reproduction (Fertility) – (Category 2)
Flammable Liquids (Category 4)

GHS Label Elements:

Symbol(s)



Signal Word:

Danger

Hazard Statement(s):

Causes skin irritation
Causes serious eye damage
May damage the unborn child
Suspected of damaging fertility
Combustible liquid

Precautionary Statement(s):

Prevention:

Do not handle until all safety precautions have been read and understood.
Wear protective gloves and eye protection. Keep away from
heat/sparks/open flames/hot surfaces- No smoking.

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Response:

If on skin: Wash with plenty of water. If irritation occurs seek 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 so. Continue rinsing for a total of at least 15 minutes. Immediately contact a physician. Reproductive Toxicity: If exposed or concerned, get medical advice/attention. In case of fire use dry sand, dry chemical or alcohol resistant foam to extinguish.

Storage:

Store in a well ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Disposal:

Dispose of in accordance with local, state and federal regulations.

Statement(s) of Unknown Acute Toxicity:

Zero % of the mixture consists of ingredient(s) of unknown acute toxicity.

Other Hazards which do not result in classification: None

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Percent (w/w%)
Ammonium Hydroxide	1336-21-6	3.0
Tetrahydrofurfuryl Alcohol	97-99-4	4 - 4.5

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

General Advice: If exposed or feeling unwell, consult a physician.

Inhalation: Move person into fresh air. If irritation persists, contact a physician.

Skin: Wash with soap and water. Remove contaminated clothing. Consult a physician if a reaction occurs

Eyes: Flush eyes with water for at least 15 minutes. Immediately contact a physician

Ingestion: Do not induce vomiting. Drink water to dilute. Contact a physician.

Most Important Symptoms/Effects: Aside from the information under first aid measures above, see Section 11 – Toxicological Information, for any additional symptoms and effects

Section 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Use water spray, alcohol resistant foam, dry chemical or Carbon Dioxide (CO2)

Unsuitable Extinguishing Media: No data available

Specific Hazards Arising from the Chemical: None

Special Protective Equipment and Precautions for Firefighters: Explosion Hazard. Wear protective equipment and self-contained breathing apparatus (SCBA) per fire department's SOP.

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Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment as recommended in Section 8

Methods and Materials for Containment and Cleaning 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.

Other Information: CECRLA Ammonium Hydroxide Reportable Quantity $\geq 1,000$ pounds

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Always wear gloves and eye protection.

Conditions for Safe Storage, Including Any Incompatibilities: Store locked up. Store in a well ventilated, cool place.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits:

Component	CAS #	OSHA: PEL	ACGIH	NIOSH: REL
Tetrahydrofurfuryl Alcohol	97-99-4	400 ppm	Not Listed	400 ppm

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

Appropriate Engineering Controls:

Sufficient exhaust and general ventilation should be used to keep vapor levels below recommended levels.

Individual Protection Measures, such as Personal Protective Equipment:

Eye/face protection: Wear safety goggles or face shield

Skin Protection: Wear protective gloves

Respiratory Protection: None required for well ventilated areas when product as used as designed.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Purple liquid	Physical State	Liquid
Odor	Alcohol/Amine	Color	Purple
Odor Threshold	Not available	pH	Neutral
Melting Point	Not available	Molecular Weight	Not available
Boiling Point	100 °C (212° F)	Freezing point	Not available
Evaporation Rate	Not available	Flammability class	Category 4 Liquid
Autoignition Temperature	Not available	Flash Point	64°C (146°F)
Lower Explosive Limit	No data	Decomposition temperature	Not available

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Upper Explosive Limit	No data	Vapor Pressure	No data
Vapor Density (air=1)	Not available	Relative Density(water=1)	1.03
Water Solubility	Infinitely soluble	Upper Flammability Limit	No data
Viscosity	50 cps	Lower Flammability Limit	No data
Solubility (Other)	Not available	Density	No data

Section 10 - STABILITY AND REACTIVITY

Reactivity:

Reactive with strong oxidizers

Chemical Stability:

Stable

Conditions to Avoid:

Acidic conditions

Incompatible Materials:

None

Hazardous decomposition products:

Carbon Monoxide

Section 11 - TOXICOLOGICAL INFORMATION

Information on Routes of Exposure:

(Eye/Skin), Inhalation, Ingestion (unlikely)

Inhalation:

Overexposure to vapors may cause respiratory tract irritation with coughing, wheezing and shortness of breath

Skin Contact:

May cause irritation, Can cause blisters and burns after 15 minutes of exposure

Eye Contact:

If not flushed with water immediately, contact with the eyes may cause partial or complete blindness

Ingestion:

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

Acute and Chronic Toxicity

Component Acute Toxicity Estimate

Component	Oral (rat)	Dermal (rabbit)	Inhalation (rat)
Tetrahydrofurfuryl Alcohol (97-99-4)	LD50 – >2000 mg/kg	No data	No data

Component Carcinogenicity:

None of this product's components are listed by ACGIH, NTP or OSHA.

Reproductive Toxicity:

Rat – male and female – Oral

Paternal Effects – Testes, epididymis, sperm duct. Spermatogenesis, including genetic material, sperm morphology, motility and count. Endocrine effect on menstrual cycle.

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Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

This product has not been tested in regard to Ecotoxicity however, it contains substances known to be harmful to the environment.

Component Analysis - Aquatic Toxicity

Component	Toxicity to Fish	Toxicity to Aquatic Invertebrates	Toxicity to Algae
Ammonium Hydroxide CAS # 1336-21-6	LC50 – Zebra Fish 2.75 mg/l – 96 hours	EC50 – Daphnia Similis 22.61 mg/l – 48 hours	No data available

Persistence and Degradability

Bioaccumulative Potential:

Unknown

Mobility in soil:

Moderate to high mobility in soil

Other adverse effects:

No data available

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

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Not considered a RCRA hazardous waste. If the product cannot be used as specified dispose of in accordance with local, state and federal regulations.

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

Section 14 - TRANSPORT INFORMATION

Emergency Response Guide Number: None

DOT & TDG Information:

Not Regulated

Environmental Hazards:

None

International Bulk Chemical Code:

This product does not have any chemicals required by the IBC Code to be defined as dangerous chemicals in bulk.

IATA & IMDG Regulations:

Not Regulated

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Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Sec CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories:

Not classified

SARA 313 (40CFR 372.65)

Ammonium Hydroxide is on the list

CERCLA (40 CFR 302.4)

Ammonium Hydroxide is on the list and has an RQ \geq 1,000 pounds

U.S. State Regulations

None of this product's components are listed on the state lists from MA, MN, NJ or PA.

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

Not listed under California Proposition 65

Canada Regulations:

CEPA – Priority Substance list

None of this product's components are on the list

Ozone Depleting Substances:

None of this product's components are on the list

Council of Ministers of the Environment – Soil Quality Guidelines

Council of Ministers of the Environment – Water Quality Guidelines

None of this product's components have sufficient data indicating that they should be included on the list

Section 16 - OTHER INFORMATION

HMIS and NFPA Ratings are not required, but are often found in Section 16.

HMIS Rating

Health: [2] Fire: [2] Reactivity: [1] Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

NFPA Ratings

Health: [2] Fire: [2] Reactivity: [1] Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

REVISION HISTORY

REVISION	DATE	ECN #	CHG BY	CHK BY	APPR. BY	DESCRIPTION OF CHANGE
A	10/03/14	14425	SBL	TG	SBL	Updated MSDS to GHS/SDS format. 48255 Revision A supersedes 48000 Revision H
B	10/28/14	14972	SBL	SBL	SBL	Modified address in Section 1
C	7/06/18		PMc		PMc	Changed Reproductive Toxin Classification. Corrected transport information to Not Regulated. Made other minor changes and updated to WHMIS 2015 Regulations

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Key / Legend:

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; Ne- Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

Other Information

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