



Esma Instant Ultrasonics E2761

Ultrasonic Cement Remover

DESCRIPTION: Esma Instant Ultrasonics E2761 is a mildly acidic cleaning solution. When used in conjunction with Esma Ultrasonic cleaning and rinsing units, Instant Ultrasonics is excellent at removing cement from stainless steel dental instruments, bands retainers and dentures. Also used for general cleaning.

Instant Ultrasonics is designed for use in dental ultrasonic cleaners and washers. Instant Ultrasonics is suitable for use on certain brass and stainless steel, not recommended on copper and most aluminums. Instant Ultrasonics is not a concentrate and is ready to use. Can be used directly in ultrasonic tanks and can be re-used for many days. Ultrasonic treatment times may vary from 30 seconds to 2 minutes. Rinse thoroughly after cleaning. Instant Ultrasonics is not recommended for use on plated instruments.

Esma Instant Ultrasonics is free-rinsing and safe to use due to its mild acidity. Instant Ultrasonics is a superior product for your tough, cleaning problems.

PROPERTIES:

Appearance	Light Amber
pH (100%)	Acidic
Odor	Mild
Foaming	Moderate
Rinsing	Complete
Specific Gravity	1.3

DIRECTIONS:

For use in ultrasonic tanks. Do not dilute. Product is ready to use. Apply ultrasonic treatment to instruments for 30 seconds to 2 minutes. Rinse thoroughly after using.

Temperature: Ambient - **200°F**

PRECAUTIONS:

Mildly acidic solution, may cause eye and skin irritation. AVOID CONTACT WITH SKIN AND EYES. Refer to MSDS.



ESMA Incorporated
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South Holland, IL 60473
800-276-2466

MATERIAL SAFETY DATA SHEET

Section 1- Product Identification and Use

Product Name: Instant Ultrasonics

Product Identification Number: E2761

Product Use: Acid-Based Cleaner

Manufacturer's Name: Esma, Inc.

450 W. Taft Drive

South Holland, IL 60473

1-800-276-2466

Emergency Telephone Numbers— US/North America: Chemtrec 800-262-8200 24 hrs everyday

International: 800-276-2466

Section 2 - Hazardous Identification

Form : Liquid Color : Clear, colorless to straw yellow

Emergency Overview : Solutions are eye and skin irritants, and prolonged or repeated contact may cause irritation. Mists are irritating to the skin, mucous membranes, and upper respiratory tract. Read the entire SDS for a more thorough evaluation of the hazards.

OSHA Hazard Communication Standard : This product has been evaluated and classified as defined by OSHA Hazard Communication Standard, 29CFR 1910.1200.

GHS Classification :

Eye Irritation (Category 2A Irritant)

Skin Irritation (Category 2 Irritant)

Label Elements :

Signal Word : Warning

GHS Hazard Pictograms : Exclamation Mark

Hazard Statements :

H303 May be harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary Statements :

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P281 Use personal protective equipment as required.

P301+ 312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304 + 312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. IF eye irritation persists: Get medical advice/attention.

P302 + 351 IF ON SKIN Rinse cautiously with water for several minutes.

P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

Other hazards which do not result in classification :

None known. See Section 11 for Potential Health Hazards



Section 3 - Hazardous Ingredients

Common name:	Organic Acid	< 40 % by weight
C A S #:	79-14-1	

Common name:	Inorganic Acid	< 10 % by weight
C A S #:	7664-38-2	

Section 4 - First Aid Measures

Eye Contact: Immediately flush contacted area repeatedly with water for at least 15 minutes, holding eyelids open. Contact a physician for treatment.

Skin Contact: Immediately flush contacted area repeatedly with water for at least 15 minutes. If irritation persists, contact a physician for treatment. Clean contaminated clothing before reuse.

Inhalation: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs, remove victim to fresh air. If irritation persists, seek medical attention.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give 1-2 glasses of water to drink, if conscious and alert.

Notes to physician : treat symptomatically. No specific antidote available. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

This formula is stable, non-flammable, and will not burn. No special procedures necessary

Flammability: Non-flammable

Flash Point: Non-flammable

Suitable Extinguishing Media: Use Dry chemical, CO₂, water spray or "alcohol" foam.

Extinguishing Media to Avoid High volume jet water.

Special Exposure Hazards: In event of fire created carbon oxides, oxides of phosphorus may be formed.

Special Protective Equipment: Wear positive pressure self-contained breathing apparatus; Wear full protective clothing.

Section 6 - Accidental Release Measures

Spill/leak clean-up procedures: Dike area of spill for containment and prevent access to drains. Remove all uninvolved personnel. Provide sufficient ventilation to prevent build-up of fumes to explosive concentration. DO NOT use any metal or spark-producing equipment during clean-up. Absorb spill with vermiculite or other absorbent material. Collect residues and place into a flammables waste container. Dispose of wastes in accordance with all applicable federal, state, and local regulations.

EPA hazardous substance reportable quantity: Not applicable

Section 7 - Handling And Storage

Proper storage: Store in a properly identified flammables storage area that is cool, dry, and properly ventilated. Store away from heat, flame, sparks, and other ignition sources. Store separately from oxidizing and other incompatible materials.

Precautionary methods: Avoid contact with skin or inhalation of fumes. Wash thoroughly after handling. Wear NIOSH-approved mask and suitable protective equipment during handling and usage.

Disposal: Dispose of with flammable liquid waste in accordance with all federal, state, and local regulations.

Section 8 - Exposure Controls/Personal Protection

Special precautions: Irritating and dizzying fumes may be released when product is used. This product may be used in tandem with other hazardous chemicals. Exposure controls must consider all of the potential hazards of the operation.

Ventilation: Use only with ventilation that maintains airborne concentrations below the OSHA PEL. Ventilation must also be sufficient for other chemicals present in the plant.

Respiratory protection: Wear NIOSH-approved respirator when handling or working with. Fumes from this product contain hazardous chemicals and can be highly irritating.

Skin protection: Chemical-resistant rubber gloves and suitable protective clothing should be worn. Butyl or natural rubber or neoprene are recommended.

Eye protection: Face mask or safety goggles should be worn when handling and when working with this product or its prepared solutions.

Personal hygiene: Wash thoroughly after any handling or usage. Because mists from working area may be on skin and clothes, removal of clothing and showering after extended use are recommended.

Protective measures during repair and maintenance of equipment: Esma-Brite E272 and the products it is used with are corrosive and flammable and may cause various physical effects. This and related products should be removed to a suitable storage area and working area thoroughly cleaned and ventilated before any repair or maintenance.

Section 9 - Physical And Chemical Properties

Appearance:	Light Amber	Odor:	Slight alcoholic odor
Boiling point:	224°F/112° C	Vapor pressure:	0.06 mm Hg at 68°F/20°C
Vapor density (Air = 1):	0.6	Solubility in water:	Completely miscible
Specific gravity (Water = 1):	1.3	pH of solution:	Approximately 1.00, neat

Section 10 - Stability And Reactivity

Stability:	Stable
Hazardous polymerization:	Will not occur
Conditions to avoid:	Elevated temperatures; enclosed areas; flame and spark sources
Incompatible materials:	Oxidizers, strong acids and alkalis, halogenated solvents
Hazardous decomposition products:	Various carbon and sulfur oxides

SECTION 11 - TOXICOLOGY

Carcinogenicity:	Not listed by any agency.
Mutagenicity:	Not found to be a mutagenic.
Reproductive:	No data available.
Sensitization:	Not considered a sensitizer

Stability:	Stable
Hazardous polymerization:	Will not occur
Conditions to avoid:	Avoid contact with hot solutions; splashing solutions, prolonged skin contact
Incompatible materials:	Strong bases, Oxidizers
Hazardous decomposition products:	None

Section 12 - Ecological Information

No data available

Section 13 - Disposal Considerations

Waste Disposal Method: Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Whatever cannot be salvaged or recycled should be handled as a hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility.

Follow local, state and federal regulations for disposal

Section 14 - Transportation Information

D O T Shipping name:	Corrosive liquid, acidic, organic n.o.s. (contains ethylene glycol and sulfuric acid) ERG # 153
Hazard Class:	8
I D Number:	U N 1760
Packing Group:	III

Label(s) required: Corrosive

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste (40 CFR 261.24): Not listed

CERCLA Hazardous substance (40 CFR 302.4) listed per CAA, Section 112

CERCLA Reportable Quantity (RQ) for ethylene glycol is 5,000 pounds.

SARA Toxic Chemical (40 CFR 372.65): Listed for ethylene glycol

SARA Extremely Hazardous Substance (40 CFR 355): Not listed

OSHA Regulations:

Ethylene glycol is listed as an air contaminant (29 CFR 1910.1000, Table Z-1-A) (vacated 1989 Final Rule limit)

Section 16 - Other Information

The NFPA Rating : HEALTH: 2 FLAMMABILITY: 0

REACTIVITY: 0

NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

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The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.