



Esma Tarter Cleaner E373

Tarter Cleaner

DESCRIPTION: Esma Tarter Cleaner E373 is a mildly acidic cleaning solution. Specially designed solution for cleaning obnoxious tarter accumulations. Can be used ultrasonically or soaking.

Dentures: Cleans tarter, stains, and other obnoxious accumulations.

Bridge work and crowns: removes temporary and permanent cement.

Orthodontics: cleans retainers, correctors, frankel and sagittal

appliances, Schwartz plates, bionators.

Ready to use, do not dilute.

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. Place parts to be cleaned in a glass beaker and cover part with Tarter Cleaner E373. Treat beaker with ultrasonics or allow to soak if ultrasonics are unavailable.

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
450 Taft Drive
South Holland, IL 60473
800-276-2466

SAFETY DATA SHEET

Section 1- Product Identification and Use

Product Name: Tarter Cleaner

Product Identification Number: E373

Product Use: Cleaning Compound

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 HazardsSection 2 - Hazardous Components

Section 3 - Hazardous Ingredients

Common name:	Inorganic Acid	< 10 % by weight
C A S #:	7664-38-2	
Common name:	Glycolic Acid	< 40 % by weight
C A S #:	79-14-1	
Common name:	Mild Wetting Agent	< 2 % by weight
C A S #:	9016-45-9	

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

Flash point:	None
Autoignition temperature:	Not available
Flammability limits:	Not available
Extinguishing media:	None required

Special firefighting procedures:	None required
Fire/explosion hazards:	Not available

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

Respiratory Protection. None required.

Ventilation I Local Exhaust: General room ventilation.

Ventilation / Mechanical Recommendations: None required.

Skin Protection: Vinyl or rubber protective gloves.

Eye Protection: Goggles or face shield.

Other Protective Equipment: Vinyl apron (optional).

Exposure Guidelines: See section 2 for ACGIH recommendations for each hazardous ingredient.

Section 9 - Physical And Chemical Properties

Appearance:	Light Amber	Odor:	Mild odor
Boiling point:	224°F/107° C	Vapor pressure:	Not available
Vapor density (Air = 1):	11.2 mm HG	Solubility in water:	Complete
Specific gravity (Water = 1):	1.3	pH of solution:	2.0 – 3.0

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 alkalis
Hazardous decomposition products:	None

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

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not 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 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. (GLYCOLIC ACID)
Hazard Class:	8
I D Number:	U N 3265
Packing Group:	I I I
Label(s) required:	Corrosive

Section 15 - Regulatory Information

EPA Regulations:

RMP/PSM: Not listed.

CERCLA-RQ: Not established.

EPCRA 311/312: Yes, See Section III.

EPCRA 313: This product does not contain any hazardous ingredients at or above regulated thresholds.

FIFRA: No documented information found.

RCRA-CODE: No Hazardous Waste Identification.

TSCA: Listed on inventory

OSHA Regulations: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS:

This product is on the European Inventory of Existing Commercial Chemical Substances

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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