



"Tartar & Stain Remover"

MATERIAL SAFETY DATA SHEET

DENTAL
3-13

DEFEND Item
Code #SO-9600

| IDENTIFICATION | |
|--|--|
| Manufactured for: | MYDENT INTERNATIONAL |
| Address: | 80 Suffolk Court |
| City, State, Zip: | Hauppauge, NY 11788 |
| Telephone: | 631-434-7760 |
| Date Prepared: | 03/27/12 |
| Chemical Name: | Strong Acid, Sulfamic Acid |
| HAZARDOUS INGREDIENTS | |
| ITEM | OSHA PEL ACGIH TLV OTHER LIMITS% RECOMMENDED |
| Hazardous/Toxic & Non-Hazardous Components (CAS #): Amidosulfuric Acid; Sulfamic Acid Sodium 2-ethylhexyl sulfate | |
| Hazard Rating (NFPA): HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 3 PROTECTION: 2 Non-Hazardous Components (CAS #): See above. | |
| AS PER OSHA HAZARD COMMUNICATIONS STANDARD 29CFR 1910.1200 | |
| PHYSICAL DATA/CHEMICAL CHARACTERISTICS | |
| Appearance and Odor: Clear liquid with no apparent odor. | |
| Boiling Point: approx 100C | |
| Volatile (by weight %): | N/A |
| Vapor Pressure (mm Hg.): | N/A |
| Melting Point: | Not applicable. |
| Vapor Density (AIR - 1): | No data available. |
| Evaporation Rate (n-Butyl = 1): | approx 1 |
| Solubility in Water (H ₂ O): | Complete |
| Specific Gravity (H ₂ O-1): | 1.10 |
| pH: | 1.50 |
| FIRE AND EXPLOSION HAZARD DATA | |
| Flash Point (Method Used): Not combustible. | |
| Flammable Limits: No data. | |
| Extinguishing Media: Water, carbon dioxide, dry chemical foam. | |
| UEL: 0 | LEL: 0 |
| Special Fire Fighting Procedures: None | |
| Unusual Fire & Explosion Hazards or Procedures: No explosion hazards. | |
| REACTIVITY DATA | |
| Stability: Stable | |
| Conditions to Avoid: Not applicable. | |
| Incompatibility (Material to Avoid): Oxidizing agents, reducing agents. | |
| Hazardous Decomposition of Byproducts: Carbon dioxide, carbon monoxide. | |
| Hazardous Polymerization: Will not occur. | |
| TRANSPORTATION: (DOT info if Applicable) | |
| Not D.O.T. regulated. | |

| HEALTH HAZARD DATA | |
|---|----------------|
| EFFECTS OF OVEREXPOSURE: | |
| Routes of Entry= | |
| Skin: May cause skin irritation. | |
| Eyes: May cause eye severe pain and corneal damage. | |
| Ingestion: May cause severe internal burns of mouth, throat and stomach lining. | |
| Inhalation: May cause severe lung damage, coughing, sore throat. | |
| SIGNS AND SYMPTOMS OF EXPOSURE | |
| Skin: May cause skin irritation. | |
| Eye: May cause eye severe eye pain with eye contact and corneal damage. | |
| Ingestion: May cause severe internal burns of mouth, throat and stomach lining. Can cause severe pain, nausea, vomiting, abdominal spasms. | |
| Inhalation: May cause severe lung damage, coughing, sore throat. | |
| Chronic Exposure: Individuals with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to affects. | |
| EMERGENCY AND FIRST AID PROCEDURES | |
| Skin: In case of skin contact, immediately flush with plenty of cool water REMOVE CONTAMINATED CLOTHING. Seek medical attention asap. | |
| Eyes: In case of contact with eyes, immediately flush with plenty of water for at least 15 minutes. Lift upper and lower lids. Seek immediate medical attention. | |
| Ingestion: Can be life threatening. If conscious, give large quantity of milk or water. DO NOT INDUCE VOMITTING, seek immediate medical attention. | |
| Inhalation: Remove to fresh air. Restore or assist breathing if necessary. Get medical attention for any breathing difficulty. | |
| PRECAUTIONS FOR SAFE HANDLING AND USE | |
| Steps to be taken in case material is released or spilled: Dike and cover spill with an absorbent clay or sand. Small spills can be carefully neutralized with Sodium Bicarbonate or lime. Wear protective clothing, boots, goggles including acid-resistant suit. | |
| Waste Disposal Method: All local, state and federal regulations concerning health and pollution should be reviewed to determine approved disposal procedure. | |
| Precautions to be Taken in Handling and Storing: Keep in tightly sealed containers. Avoid excessive heat. | |
| Other Precautions: N/A | |
| CONTROL MEASURES | |
| Respiratory Protection (Specify Type): Wear a NIOSH-approved respirator appropriate for the vapor or mist concentration at the point of use. | |
| VENTILATION: Recommended. | |
| Local Exhaust: Recommended. | |
| Mechanical (General): Acceptable. | |
| Protective Gloves (type): Chemical gloves, Butyl and Nitrile recommended. | |
| Eye Protection: Chemical resistant goggles. | |
| Other Protective Clothing or Equipment: Chemical resistant clothing / boots. Long sleeves, pants, full length lab coats recommended. | |
| Work Hygiene Practices: Clean spills immediately avoid contact with eyes, etc. | |
| CARCINOGENICITY | |
| NTP: | Not available. |
| IARC Monographs: | Not available. |
| OSHA Regulated: | Not available. |
| SPECIAL INFORMATION | |
| 24 hr EMERGENCY TELEPHONE NUMBER: CHEMTREC (800) 424-9300 Note: MYDENT INTERNATIONAL has compiled this data based on the research and input of qualified experts in the field of microbiology, chemistry and quality assurance. The data are not to be taken as a warranty or representation for which MYDENT INTERNATIONAL assumes legal responsibility. They are offered only for your consideration and verification. | |

Material Safety Data Sheet

Fisherbrand Ultrasonic Cleaning Solution

ACC# 92279

Section 1 - Chemical Product and Company Identification

MSDS Name: Fisherbrand Ultrasonic Cleaning Solution**Catalog Numbers:** 15-335-80, 153356, 1533580**Synonyms:** None Known.**Company Identification:**

Fisher Scientific

1 Reagent Lane

Fair Lawn, NJ 07410

For information, call: 201-796-7100**Emergency Number:** 201-796-7100**For CHEMTREC assistance, call:** 800-424-9300**For International CHEMTREC assistance, call:** 703-527-3887

Section 2 - Composition, Information on Ingredients

| CAS# | Chemical Name | Percent | EINECS/ELINCS |
|------------|--------------------------------|---------|---------------|
| 7732-18-5 | Water | 70-90 | 231-791-2 |
| 7758-29-4 | Sodium tripolyphosphate | 10-20 | 231-838-7 |
| 144-55-8 | Sodium bicarbonate | 5-15 | 205-633-8 |
| 151-21-3 | Sodium lauryl sulfate | 0-10 | 205-788-1 |
| 25155-30-0 | Sodium dodecylbenzenesulfonate | 0-10 | 246-680-4 |

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Milky white liquid.

Warning! May cause eye and skin irritation. May cause respiratory and digestive tract irritation. May be harmful if swallowed.**Target Organs:** No data found.

Potential Health Effects

Eye: May cause eye irritation. May result in corneal injury.**Skin:** Prolonged and/or repeated contact may cause irritation and/or dermatitis.**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed. May cause systemic effects.**Inhalation:** May cause respiratory tract irritation.**Chronic:** No information found.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Flash Point: Not available.

Autoignition Temperature: Not available.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

| Chemical Name | ACGIH | NIOSH | OSHA - Final PELs |
|---------------|-------|-------|-------------------|
|---------------|-------|-------|-------------------|

| | | | |
|--------------------------------|-------------|-------------|-------------|
| Water | none listed | none listed | none listed |
| Sodium tripolyphosphate | none listed | none listed | none listed |
| Sodium bicarbonate | none listed | none listed | none listed |
| Sodium lauryl sulfate | none listed | none listed | none listed |
| Sodium dodecylbenzenesulfonate | none listed | none listed | none listed |

OSHA Vacated PELs: Water: No OSHA Vacated PELs are listed for this chemical. Sodium tripolyphosphate: No OSHA Vacated PELs are listed for this chemical. Sodium bicarbonate: No OSHA Vacated PELs are listed for this chemical. Sodium lauryl sulfate: No OSHA Vacated PELs are listed for this chemical. Sodium dodecylbenzenesulfonate: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: Milky white

Odor: odorless

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: Not available.

Decomposition Temperature: Not available.

Solubility: Soluble.

Specific Gravity/Density: Not available.

Molecular Formula: Mixture

Molecular Weight: Not available.

Section 10 - Stability and Reactivity

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Strong acids.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:**CAS# 7732-18-5:** ZC0110000**CAS# 7758-29-4:** YK4570000**CAS# 144-55-8:** VZ0950000**CAS# 151-21-3:** WT1050000**CAS# 25155-30-0:** DB6825000**LD50/LC50:****CAS# 7732-18-5:**

Oral, rat: LD50 = >90 mL/kg;

CAS# 7758-29-4:

Draize test, rabbit, skin: 500 mg/24H Moderate;

Oral, mouse: LD50 = 3100 mg/kg;

Oral, rat: LD50 = 3120 mg/kg;

Skin, rabbit: LD50 = >4640 mg/kg;

CAS# 144-55-8:

Draize test, rabbit, eye: 100 mg/30S Mild;

Oral, mouse: LD50 = 3360 mg/kg;

Oral, rat: LD50 = 4220 mg/kg;

CAS# 151-21-3:

Draize test, rabbit, eye: 100 mg/24H Moderate;

Draize test, rabbit, eye: 250 ug Mild;

Draize test, rabbit, eye: 2 mg;

Draize test, rabbit, eye: 10 mg Moderate;

Draize test, rabbit, skin: 50 mg/24H Severe;

Draize test, rabbit, skin: 25 mg/24H Moderate;

Draize test, rabbit, skin: 250 mg/24H Moderate;

Draize test, rabbit, skin: 10 mg/24H;

Draize test, rabbit, skin: 50 mg/24H Mild;

Inhalation, rat: LC50 = >3900 mg/m³/1H;

Oral, rat: LD50 = 1288 mg/kg;

CAS# 25155-30-0:

Draize test, rabbit, eye: 250 ug/24H Severe;

Draize test, rabbit, eye: 1% Severe;

Draize test, rabbit, skin: 20 mg/24H Moderate;

Oral, mouse: LD50 = 1330 mg/kg;

Oral, rat: LD50 = 438 mg/kg;

Carcinogenicity:**CAS# 7732-18-5:** Not listed by ACGIH, IARC, NTP, or CA Prop 65.**CAS# 7758-29-4:** Not listed by ACGIH, IARC, NTP, or CA Prop 65.**CAS# 144-55-8:** Not listed by ACGIH, IARC, NTP, or CA Prop 65.**CAS# 151-21-3:** Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 25155-30-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information found
Teratogenicity: No information found
Reproductive Effects: No information found
Mutagenicity: No information found
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 - Transport Information

| | US DOT | Canada TDG |
|-----------------------|---------------------------------------|---------------------------|
| Shipping Name: | Not regulated as a hazardous material | No information available. |
| Hazard Class: | | |
| UN Number: | | |
| Packing Group: | | |

Section 15 - Regulatory Information

US FEDERAL

TSCA

- CAS# 7732-18-5 is listed on the TSCA inventory.
- CAS# 7758-29-4 is listed on the TSCA inventory.
- CAS# 144-55-8 is listed on the TSCA inventory.
- CAS# 151-21-3 is listed on the TSCA inventory.
- CAS# 25155-30-0 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

CAS# 7758-29-4: 5000 lb final RQ (listed under Sodium phosphate, tribasic); 2270 kg final RQ
(li CAS# 25155-30-0: 1000 lb final RQ; 454 kg final RQ

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 7758-29-4: immediate.

CAS # 151-21-3: immediate.

CAS # 25155-30-0: immediate.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

CAS# 7758-29-4 is listed as a Hazardous Substance under the CWA. CAS# 25155-30-0 is listed as a Hazardous Substance under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 7758-29-4 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.

CAS# 144-55-8 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 151-21-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 25155-30-0 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations**European Labeling in Accordance with EC Directives****Hazard Symbols:**

Not available.

Risk Phrases:**Safety Phrases:**

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 7732-18-5: No information available.

CAS# 7758-29-4: 1

CAS# 144-55-8: 0

CAS# 151-21-3: 2

CAS# 25155-30-0: 2

Canada - DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 7758-29-4 is listed on Canada's DSL List.

CAS# 144-55-8 is listed on Canada's DSL List.

CAS# 151-21-3 is listed on Canada's DSL List.

CAS# 25155-30-0 is listed on Canada's DSL List.

Canada - WHMIS

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 151-21-3 is listed on the Canadian Ingredient Disclosure List.

CAS# 25155-30-0 is listed on the Canadian Ingredient Disclosure List.

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| Section 16 - Additional Information |
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MSDS Creation Date: 1/25/2002

Revision #3 Date: 3/22/2006

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.