



Safety Data Sheet

Issue Date: 02-Jul-2018

Revision Date: 13-Oct-2020

Version 1

1. IDENTIFICATION

Product identifier

Product Name Advance General Purpose Cleaner

Other means of identification

SDS # ADV-008

Product Code 436360

Recommended use of the chemical and restrictions on use

Recommended Use Ultrasonic cleaning of dental and medical instruments.

Details of the supplier of the safety data sheet

Supplier Address

Advance Dental Products
P.O. Box 29279
Atlanta, GA 30359

Emergency telephone number

Company Phone Number (877) 896-7341 (Monday-Friday 8am - 4:45pm EST)
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear, blue liquid

Physical state Liquid

Odor Detergent

Classification

Serious eye damage/eye irritation

Category 1

Signal Word

Danger

Hazard statements

Causes serious eye damage



Precautionary Statements - Prevention

Wear eye protection/ face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor

Other hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No | Weight-% |
|---|----------|----------|
| Tetrasodium Ethylenediaminetetraacetate | 64-02-8 | <10 |
| 2,2',2''-Nitrilotriethanol | 102-71-6 | <5 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

| | |
|---------------------|--|
| Eye Contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. |
| Skin Contact | Flush area with water for 15 minutes. If irritation persists, seek medical attention. |
| Inhalation | Remove to fresh air. If discomfort persists, seek medical attention. |
| Ingestion | Do NOT induce vomiting. Give large quantities of milk. Seek immediate medical attention. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|--|
| Symptoms | Causes serious eye damage. May cause irritation to skin on contact. Gastrointestinal discomfort, nausea, irritation of mouth, nasal passages and throat. |
|-----------------|--|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|--|
| Personal Precautions | Use personal protective equipment as required. |
|-----------------------------|--|

Environmental precautions

| | |
|----------------------------------|--|
| Environmental precautions | Keep from contaminating soils and waterways. See Section 12 for additional Ecological Information. |
|----------------------------------|--|

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up Mop up liquid and dispose.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Use in well ventilated areas. Wear eye/face protection. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in well ventilated areas at ambient temperatures.
Incompatible Materials Strong oxidizing agents. Strong acids. Halogens. Peroxides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---------------------------------------|--------------------------|----------|------------|
| 2,2',2"-Nitrilotriethanol 102-71-6 | TWA: 5 mg/m ³ | - | - |

Appropriate engineering controls

Engineering Controls Provide normal room ventilation. Emergency eye wash station must be available.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Use safety goggles or approved safety glasses.
Skin and Body Protection Use protective gloves and discard after contact with product. Pants, long sleeves, clinical.
Respiratory Protection Not normally required as long as adequate room ventilation is present.
General Hygiene Considerations Wash hands after using. Launder contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Liquid
Appearance Clear, blue liquid
Color Blue
Odor Detergent
Odor Threshold Not determined

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|-----------------------|-------------------------|
| pH | 10-11 | |
| Melting point / freezing point | Not determined | |
| Boiling point / boiling range | >100 °C / >212 °F | |
| Flash point | Not determined | |
| Evaporation Rate | Not determined | |
| Flammability (Solid, Gas) | Liquid-Not applicable | |
| Flammability Limit in Air | | |
| Upper flammability or explosive limits | Not determined | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|----------------|-------------------------|
| Lower flammability or explosive limits | Not determined | |
| Vapor Pressure | Not determined | |
| Vapor Density | Not determined | |
| Relative Density | 1.01 | (20°C/68°F) |
| Water Solubility | Not determined | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Autoignition temperature | Not determined | |
| Decomposition temperature | Not determined | |
| Kinematic viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

May evolve gases if mixed with strong oxidizing agents and acids.

Conditions to Avoid

Keep out of reach of children.

Incompatible materials

Strong oxidizing agents. Strong acids. Halogens. Peroxides.

Hazardous decomposition products

Product may produce carbon monoxide, carbon dioxide, sulfur and nitrogen oxides under extreme heat.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|--|---|-----------------|
| Tetrasodium Ethylenediaminetetraacetate 64-02-8 | = 10 g/kg (Rat) = 1658 mg/kg (Rat) | - | - |
| 2,2',2"-Nitrilotriethanol 102-71-6 | = 4190 mg/kg (Rat) | > 20000 mg/kg (Rabbit) > 16 mL/kg (Rat) | - |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Serious eye damage/eye irritation Causes serious eye damage.

Carcinogenicity Group 3 IARC components are "not classifiable as human carcinogens".

| Chemical name | ACGIH | IARC | NTP | OSHA |
|--|-------|---------|-----|------|
| 2,2',2''-Nitrilotriethanol 102-71-6 | | Group 3 | | |

Legend

IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

Oral LD50 5,275.70 mg/kg

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Component Information

| Chemical name | Algae/aquatic plants | Fish | Crustacea |
|---|---|---|--|
| Tetrasodium Ethylenediaminetetraacetate 64-02-8 | 1.01: 72 h <i>Desmodesmus</i> <i>subspicatus</i> mg/L EC50 | 59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static 41: 96 h <i>Lepomis</i> <i>macrochirus</i> mg/L LC50 static | 610: 24 h <i>Daphnia magna</i> mg/L EC50 |
| 2,2',2''-Nitrilotriethanol 102-71-6 | 169: 96 h <i>Desmodesmus</i> <i>subspicatus</i> mg/L EC50 216: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 450 - 1000: 96 h <i>Lepomis</i> <i>macrochirus</i> mg/L LC50 static 1000: 96 h <i>Pimephales promelas</i> mg/L LC50 static 10600 - 13000: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through | 1386: 24 h <i>Daphnia magna</i> mg/L EC50 |

Persistence/Degradability

Not determined.

Bioaccumulation

There is no data for this product.

Mobility

| Chemical name | Partition coefficient |
|--|-----------------------|
| 2,2',2''-Nitrilotriethanol 102-71-6 | -2.53 |

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

- Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT** Not regulated
- IATA** Not regulated
- IMDG** Not regulated

15. REGULATORY INFORMATION

International Inventories

| Chemical name | TSCA | TSCA Inventory Status | DSL/NDSL | EINECS/ELI NCS | ENCS | IECSC | KECL | PICCS | AICS |
|---|------|-----------------------|----------|----------------|------|-------|------|-------|------|
| Tetrasodium Ethylenediaminetetraacetate | X | ACTIVE | X | X | X | X | X | X | X |
| 2,2',2''-Nitrilotriethanol | X | ACTIVE | X | X | X | X | X | X | X |

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| 2,2',2''-Nitrilotriethanol 102-71-6 | X | X | X |

16. OTHER INFORMATION

| | | | | |
|-------------|---|---------------------------------------|---|--|
| NFPA | Health Hazards Not determined | Flammability Not determined | Instability Not determined | Special Hazards Not determined |
| HMIS | Health Hazards Not determined | Flammability Not determined | Physical hazards Not determined | Personal Protection Not determined |

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet