SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Maintain Pool Pro Metal Control, Swim Clear Iron Remover, The Pool Place Metal Guard,
Product Id: 8000
Synonyms: Trilon B liquid, EDTA Tetrasodium
Material Uses: To help limit metal levels and inhibit scale in swimming pools, spas and hot tubs.
Revised Date: 04-28-2015
Manufactured By: BASF Corporation
100 Park Avenue
Florham Park, NJ 07932, USA
Tel: (973) 245-6000
In Case of Emergency: CHEMTREC, U.S.: 1-800-424-9300
BASF Hotline: 1-800-832-HELP (4357)
Packaged By: Baleco International Inc.
3200 State Line Rd
North Bend, OH 45052
(513) 353-3000

SECTION 2. HAZARDS IDENTIFICATION


Classification of the product

Met. Corr. 1 Corrosive to metals
Acute Tox. 4 (Inhalation - mist) Acute toxicity
Skin Corr./Irrit. 2 Skin corrosion/irritation
Eye Dam./Irrit. 1 Serious eye damage/eye irritation
STOT RE 2 (by inhalation) Specific target organ toxicity — repeated exposure

Label Elements
Pictogram:

Signal Word: Danger
Hazard Statement:
H290 May be corrosive to metals.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H373 May cause damage to organs (Respiratory system) through prolonged or repeated exposure (inhalation).

Precautionary Statements (Prevention):
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves and eye/face protection.
P260 Do not breathe dust/gas/mist/vapours.
P264 Wash with plenty of water and soap thoroughly after handling.
P234 Keep only in original container.

Precautionary Statements (Response):
P310 Immediately call a POISON CENTER or doctor/physician.
P305 + P351 + P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P352  IF ON SKIN (or hair): Wash with plenty of soap and water.
P332 + P313  If skin irritation occurs: Get medical advice/attention.
P362 + P364  Take off contaminated clothing and wash before reuse.
P390    Absorb spillage to prevent material damage.

Precautionary Statements (Storage):
P406    Store in corrosive resistant/… container with a resistant inner liner.
Precautionary Statements (Disposal):
P501    Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified
No specific dangers known, if the regulations/notes for storage and handling are considered.
Labeling of special preparations (GHS): The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 41 % dermal
The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 2 % oral
The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 3 % Inhalation - vapour
The following percentage of the mixture consists of components(s) with unknown hazards regarding the acute toxicity: 3 % Inhalation - mist

Emergency overview
WARNING:
Causes eye irritation.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.
Use with local exhaust ventilation.
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.
Wear NIOSH-certified chemical goggles.
Wear protective clothing.
Wear chemical resistant protective gloves.
Eye wash fountains and safety showers must be easily accessible.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-02-8</td>
<td>&gt;= 25.0 - &lt; 50.0 %</td>
<td>tetrasodium ethylenediaminetetraacetate</td>
</tr>
<tr>
<td>1310-73-2</td>
<td>&gt;= 1.0 - &lt; 3.0 %</td>
<td>Sodium Hydroxide</td>
</tr>
<tr>
<td>5064-31-3</td>
<td>&gt;= 0.3 - &lt; 1.0 %</td>
<td>trisodium nitrilotriacetate</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>7732-18-5</td>
<td>58.89 %</td>
<td>Water</td>
</tr>
<tr>
<td>64-02-8</td>
<td>39.0 %</td>
<td>tetrasodium ethylenediaminetetraacetate</td>
</tr>
<tr>
<td>1310-73-2</td>
<td>1.7 %</td>
<td>Sodium Hydroxide</td>
</tr>
<tr>
<td>5064-31-3</td>
<td>0.41 %</td>
<td>trisodium nitrilotriacetate</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

Description of first aid measures
General advice: Remove contaminated clothing.
If inhaled: Keep patient calm, remove to fresh air, seek medical attention.
If on skin: Wash thoroughly with soap and water.
If in eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed: Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed
Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed
Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5. FIRE FIGHTING MEASURES 5
Extinguishing media
Suitable extinguishing media: Water spray, dry powder, foam
Special hazards arising from the substance or mixture
Advice for fire-fighters
Protective equipment for fire-fighting: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
Further information:
Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES 6
Further accidental release measures:
High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures
Use personal protective clothing. Information regarding personal protective measures see, section 8.

Environmental precautions
Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up
For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).
Dispose of absorbed material in accordance with regulations.
For large amounts: Pump off product.
Spills should be contained, solidified, and placed in suitable containers for disposal.

SECTION 7. HANDLING AND STORAGE 7
Precautions for safe handling
No special measures necessary provided product is used correctly.
Protection against fire and explosion:
No special precautions necessary.

Conditions for safe storage, including any incompatibilities
Segregate from acids and bases. Segregate from strong oxidizing agents.
Suitable materials for containers: Stainless steel 1.4401, Stainless steel 1.4301 (V2), Polyester resin, glass reinforced (Palatal A410), High density polyethylene (HDPE), glass, Low density polyethylene (LDPE)
Further information on storage conditions: Keep container tightly closed and in a cool place.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION 8
Advice on system design: Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment
Respiratory protection: Wear respiratory protection if ventilation is inadequate. Breathing protection if breathable aerosols/dust are formed.
Hand protection: Chemical resistant protective gloves
Eye protection: Tightly fitting safety goggles (chemical goggles) and face shield.
**Body protection:** Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**General safety and hygiene measures:**
Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Take off immediately all contaminated clothing. Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form:</strong></td>
<td>liquid</td>
</tr>
<tr>
<td><strong>Odour:</strong></td>
<td>odourless</td>
</tr>
<tr>
<td><strong>Odour threshold:</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Colour:</strong></td>
<td>yellow</td>
</tr>
<tr>
<td><strong>pH value:</strong></td>
<td>11 - 11.8</td>
</tr>
<tr>
<td><strong>Freezing point:</strong></td>
<td>approx. 0 °C Information applies to the solvent</td>
</tr>
<tr>
<td><strong>Boiling point:</strong></td>
<td>&gt; 100 °C (1,013 hPa)</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>&gt; 100 °C (closed cup)</td>
</tr>
<tr>
<td><strong>Flammability:</strong></td>
<td>not flammable</td>
</tr>
<tr>
<td><strong>Lower explosion limit:</strong></td>
<td>Study does not need to be conducted.</td>
</tr>
<tr>
<td><strong>Upper explosion limit:</strong></td>
<td>Study does not need to be conducted.</td>
</tr>
<tr>
<td><strong>Autoignition:</strong></td>
<td>Based on the water content the product does not ignite.</td>
</tr>
<tr>
<td><strong>Vapour pressure:</strong></td>
<td>&lt; 0.35 mmHg (20 °C)</td>
</tr>
<tr>
<td><strong>Density:</strong></td>
<td>1.29 - 1.32 g/cm³ (20 - 25 °C)</td>
</tr>
<tr>
<td><strong>Relative density:</strong></td>
<td>1.29 - 1.32</td>
</tr>
<tr>
<td><strong>Vapour density:</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Partitioning coefficient noctanol/water (log Pow):</strong></td>
<td>Study does not need to be conducted.</td>
</tr>
<tr>
<td><strong>Self-ignition temperature:</strong></td>
<td>Based on the water content the product does not ignite.</td>
</tr>
<tr>
<td><strong>Thermal decomposition:</strong></td>
<td>No decomposition if stored and handled as prescribed/indicated.</td>
</tr>
<tr>
<td><strong>Viscosity, dynamic:</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Particle size:</strong></td>
<td>The substance / product is marketed or used in a non solid or granular form.</td>
</tr>
<tr>
<td><strong>Solubility in water:</strong></td>
<td>soluble</td>
</tr>
<tr>
<td><strong>Evaporation rate:</strong></td>
<td>not determined</td>
</tr>
<tr>
<td><strong>Other Information:</strong></td>
<td>If necessary, information on other physical and chemical parameters is indicated in this section.</td>
</tr>
</tbody>
</table>

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity**
No hazardous reactions if stored and handled as prescribed/indicated.

**Corrosion to metals:** Corrosive effect on metals. Corrosive effect on: brass zinc aluminum

**Oxidizing properties:** not fire-propagating

**Chemical stability**
The product is stable if stored and handled as prescribed/indicated.

**Possibility of hazardous reactions**
No hazardous reactions when stored and handled according to instructions.
The product is chemically stable.

**Conditions to avoid**
See MSDS section 7 - Handling and storage.

**Incompatible materials**
oxidizing agents, amphoteric metals, light metals

**Hazardous decomposition products**
Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.
Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

SECTION 11. TOXICOLOGICAL INFORMATION

Primary routes of exposure
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact.
Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects
Acute toxicity
Assessment of acute toxicity: Of moderate toxicity after short-term inhalation. Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.
Oral
Type of value: LD50
Species: rat
Value: > 2,000 mg/kg
Dermal
Type of value: LD50
Species: rat
not determined
Assessment other acute effects
No data available.
Skin
Species: rabbit
Result: non-irritant
Method: BASF-Test
Eye
Species: rabbit
Result: Irritant.
Method: BASF-Test
Sensitization
No sensitizing effect.
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
Guinea pig maximization test
Species: guinea pig
Result: Non-sensitizing.
Method: OECD Guideline 406
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aspiration Hazard
No aspiration hazard expected.

Chronic Toxicity/Effects
Repeated dose toxicity
Assessment of repeated dose toxicity: No data available.
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
Assessment of repeated dose toxicity: Repeated inhalation exposure may affect certain organs. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Genetic toxicity
Assessment of mutagenicity: No data available concerning mutagenic effects.
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
Assessment of mutagenicity: In the majority of tests performed (bacteria/microorganisms/cell cultures) a mutagenic effect was not found. A mutagenic effect was also not observed in in-vivo assays.

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Carcinogenicity
Assessment of carcinogenicity: No data available concerning carcinogenic effects.

Information on: trisodium nitrilotriacetate
Assessment of carcinogenicity: Indication of possible carcinogenic effect in animal tests. IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans).

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Reproductive toxicity
Assessment of reproduction toxicity: No data available.

Teratogenicity
Assessment of teratogenicity: No data available.

Symptoms of Exposure
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

Medical conditions aggravated by overexposure
Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product. See MSDS section 11 – Toxicological information.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity
Toxicity to fish
LC50 (96 h) > 500 mg/l, Leuciscus idus

Aquatic invertebrates
EC50 (48 h) > 100 mg/l

Toxicity to fish
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
LC50 (96 h) > 100 mg/l, Lepomis macrochirus (OPP 72-1 (EPA-Guideline), static)
Nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic plants
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
EC50 (72 h) > 100 mg/l (growth rate), Scenedesmus obliquus (Directive 88/302/EEC, part C, p. 89, static)
Nominal concentration.

Chronic toxicity to fish
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
No observed effect concentration (35 d) >= 36.9 mg/l, Brachydanio rerio (OECD Guideline 210, Flow through.)
The statement of the toxic effect relates to the analytically determined concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Chronic toxicity to aquatic invertebrates
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
No observed effect concentration (21 d) 25 mg/l, Daphnia magna (OECD Guideline 211, semistatic)
Nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Soil living organisms
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
Toxicity to soil dwelling organisms:
LC50 (14 d) 156 mg/kg, Eisenia fetida (OECD Guideline 207, artificial soil)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

----------------------------------
Microorganisms/Effect on activated sludge
Toxicity to microorganisms
DEV-L2 : > 100 mg/l
Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Persistence and degradability
Assessment biodegradation and elimination (H2O)
Experience has shown that the product is difficult to eliminate in effluent treatment plants. Was found to be potentially biodegradable.
Assessment biodegradation and elimination (H2O)
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
Was found to be potentially biodegradable.
Not readily biodegradable (by OECD criteria).

----------------------------------
Assessment of stability in water
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
According to structural properties, hydrolysis is not expected/probable.

Bioaccumulative potential
Assessment bioaccumulation potential
The product has not been tested.
Bioaccumulation potential
Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.
Bioaccumulation potential
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
Bioconcentration factor: approx. 1.8 (28 d), Lepomis macrochirus
Does not significantly accumulate in organisms.

Mobility in soil
Assessment transport between environmental compartments
Information on: Ethylenediaminetetraacetic Acid Tetrasodium Salt
The substance will not evaporate into the atmosphere from the water surface.
Adsorption to solid soil phase is not expected.

Additional information
Sum parameter
Chemical oxygen demand (COD): 265 mg/g
Add. remarks environm. fate & pathway:
Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.
Other ecotoxicological advice:
Do not release untreated into natural waters.

SECTION 13. DISPOSAL CONSIDERATIONS
Waste disposal of substance:
Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.
Container disposal:
Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14. TRAVERSE INFORMATION

Land transport
USDOT
May be transported as non hazardous under USDOT in approved packaging.

Sea transport
IMDG
Hazard class: 8
Packing group: III
ID number: UN 3267
Hazard label: 8
Marine pollutant: NO
Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains ETHYLENEDIAMINETETRAACETIC ACID NA4-SALT) SOLUTION CORROSIVE ON ALUMINIUM

Air transport
IATA/ICAO
Hazard class: 8
Packing group: III
ID number: UN 3267
Hazard label: 8
Proper shipping name: CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (contains ETHYLENEDIAMINETETRAACETIC ACID NA4-SALT) SOLUTION CORROSIVE ON ALUMINIUM

SECTION 15. REGULATORY INFORMATION

Federal Regulations
Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute; Chronic

CERCLA RQ | CAS Number | Chemical name
--- | --- | ---
1000 LBS | 1310-73-2 | Sodium Hydroxide

State regulations

State RTK | CAS Number | Chemical name
--- | --- | ---
MA, NJ, PA | 1310-73-2 | Sodium Hydroxide
MA | 5064-31-3 | risodium nitrilotriacetate

NFPA Hazard codes:
Health: 3 Fire: 1 Reactivity: 0 Special:

HMIS III rating
Health: 3 Flammability: 1 Physical hazard: 0
Section 16. OTHER INFORMATION

SDS Prepared by:  MSDS/SDS Department in conjunction with BASF Corp. SDS information.
Baleco Int'l Inc.
Cinti, OH  45211
(513)353-3000

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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 related 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 text. This information should be available to all who will use, handles, store, transport, or otherwise be exposed to this product. This Information has been prepared for the guidance of plant engineering, operations and management and for persons working with or handling this product. Baleco believes this information to be reliable and up to date as of the date of publication, but makes no warranty that it is. Additionally, if this safety data sheet is more than three years old, you should contact Baleco at The phone number listed in section 1 to verify the safety data sheet is current.

This SDS is prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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Reason(s) for Revision:
3 year review
Updates to all sections to bring into compliance.

Prepared By:  SDS / MSDS Dept. Baleco Int'l Inc. in conjunction with the sds/msds of the manufacturer.
Cinti, OH  45211
(513)353-3000

End of Safety Data Sheet