

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** SANICLEAN COLOR-FREE  
**Version #** 01  
**Revision date** 07-25-2011  
**Product Code** 11436  
**Product use** Toilet cleanser.  
**Manufacturer/Supplier** Pro Link  
500 Chapman Street  
Canton, MA 02021  
Telephone number: (800) 754-4657  
Contact Person: Regulatory Manager  
**Emergency** Infotrac 1-800-535-5053

## 2. Hazards Identification

**Physical state** Liquid.  
**Appearance** Clear, yellowish liquid.  
**Emergency overview** DANGER!

Causes skin and eye burns. Harmful if swallowed. Mist or vapor irritating to eyes and respiratory tract. Possible cancer hazard - may cause cancer based on animal data. Prolonged exposure may cause chronic effects.

**OSHA regulatory status** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

### Potential health effects

**Routes of exposure** Inhalation. Ingestion. Skin contact. Eye contact.

**Eyes** Causes eye burns.

**Skin** Causes skin burns.

**Inhalation** Vapors and mist may irritate throat and respiratory system and cause coughing. Prolonged inhalation may be harmful.

**Ingestion** Harmful if swallowed. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

**Chronic effects** Contains a substance that is classified as an IARC 2B - possibly carcinogenic to humans. The substance can be absorbed into the body by inhalation of its vapor and by ingestion.

**Potential environmental effects** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Tetrasodium Ethylenediaminetetraacetate	64-02-8	10 - 30
Propylene Glycol	57-55-6	5-10
Sodium Lauriminodipropionate	14960-06-6	5 - 10
Di-(C8-10)-Alkyl-Dimethyl Ammonium Chlorides	68424-95-3	1 - 5
Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16)	68424-85-1	0.1 - 1
Sodium Hydroxide	1310-73-2	0.1 - 1
Nitrilotriacetic Acid, Trisodium Salt	5064-31-3	0.1 - 0.5

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First Aid Measures

### First aid procedures

<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Skin contact</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing separately before reuse.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not use mouth-to-mouth method if victim ingested the substance. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Call a poison control center immediately.

**Notes to physician** In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General advice** Immediate medical attention is required. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire Fighting Measures

**Flammable properties** Not flammable by OSHA criteria. Will burn if involved in a fire.

### Extinguishing media

**Suitable extinguishing media** Water. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

### Protection of firefighters

**Protective equipment and precautions for firefighters** In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out.

**Special protective equipment for fire-fighters** Wear suitable protective equipment.

**Hazardous combustion products** Carbon monoxide. Carbon Dioxide. Sodium oxides. Nitrogen oxides (NO<sub>x</sub>). Ammonia. Hydrogen chloride.

## 6. Accidental Release Measures

**Personal precautions** Wear appropriate personal protective equipment. Keep unnecessary personnel away. Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the MSDS.

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

**Methods for containment** Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

**Methods for cleaning up** Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Large Spills: Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**Other information** Clean up in accordance with all applicable regulations.

## 7. Handling and Storage

**Handling** Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling.

**Storage** Store in locked area. Keep container tightly closed. Store in a well-ventilated place. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### ACGIH

#### Components

Sodium Hydroxide (1310-73-2)

#### Type

TWA

#### Value

2 mg/m<sup>3</sup>

**U.S. - OSHA**

Components	Type	Value
Sodium Hydroxide (1310-73-2)	Ceiling	2 mg/m3
	PEL	2 mg/m3

**Canada - Alberta**

Components	Type	Value
Sodium Hydroxide (1310-73-2)	Ceiling	2 mg/m3

**Canada - British Columbia**

Components	Type	Value
Sodium Hydroxide (1310-73-2)	Ceiling	2 mg/m3

**Canada - Ontario**

Components	Type	Value	Form
Propylene Glycol (57-55-6)	TWA	10 mg/m3	Aerosol.
		50 ppm	Total vapor and aerosol.
		155 mg/m3	Total vapor and aerosol.
Sodium Hydroxide (1310-73-2)	Ceiling	2 mg/m3	

**Canada - Quebec**

Components	Type	Value
Sodium Hydroxide (1310-73-2)	Ceiling	2 mg/m3

**Mexico**

Components	Type	Value
Sodium Hydroxide (1310-73-2)	Ceiling	2 mg/m3

**Engineering controls** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**Personal protective equipment**

**Eye / face protection** Wear chemical goggles; face shield (if splashing is possible). Eye wash fountain is recommended.

**Skin protection** Wear suitable protective clothing.

**Respiratory protection** Wear positive pressure self-contained breathing apparatus (SCBA). Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**General hygiene considerations** Do not get in eyes. Do not get this material in contact with skin. Do not get this material on clothing. When using, do not eat, drink or smoke. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

**9. Physical & Chemical Properties**

<b>Appearance</b>	Clear, yellowish liquid.
<b>Color</b>	Clear yellow.
<b>Odor</b>	Not available.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>pH</b>	9 - 9.4
<b>Melting point</b>	Not applicable.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Flash point</b>	> 204.8 °F (> 96 °C) Pensky-Martens Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.

<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	1.075 - 1.175 at 25 deg C
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable under normal temperature conditions and recommended use.
<b>Conditions to avoid</b>	Heat, flames and sparks. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents. Alkaline metals. Acids.
<b>Hazardous decomposition products</b>	Nitrogen oxides (NOx). Ammonia. Hydrogen chloride. Sodium oxides.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Toxicological data

#### Components

#### Test Results

Sodium Lauriminodipropionate (14960-06-6)	Acute Oral LD50 Rat: > 5000 mg/kg
Nitrilotriacetic Acid, Trisodium Salt (5064-31-3)	Acute Oral LD50 Monkey: 750 mg/kg Acute Oral LD50 Mouse: 681 mg/kg Acute Oral LD50 Rat: 1100 mg/kg Acute Other LD50 Rat: 254 mg/kg
Propylene Glycol (57-55-6)	Acute Oral LD50 Rat: 30000 mg/kg
Di-(C8-10)-Alkyl-Dimethyl Ammonium Chlorides (68424-95-3)	Acute Oral LD50 Rat: 426 mg/kg

<b>Acute effects</b>	Causes burns. Harmful if swallowed. Vapors and spray mist may irritate throat and respiratory system and cause coughing.
<b>Sensitization</b>	Not available.
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
<b>Carcinogenicity</b>	Possible cancer hazard - may cause cancer based on animal data.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Nitrilotriacetic Acid, Trisodium Salt (CAS 5064-31-3) 2B Possibly carcinogenic to humans.

<b>Epidemiology</b>	No epidemiological data is available for this product.
<b>Mutagenicity</b>	Not available.
<b>Neurological effects</b>	Not available.
<b>Reproductive effects</b>	Not available.
<b>Teratogenicity</b>	Not available.

## 12. Ecological Information

### Ecotoxicological data

#### Components

#### Test Results

Sodium Hydroxide (1310-73-2)	EC50 Water flea (Ceriodaphnia dubia): 34.59 - 47.13 mg/l 48 Hours LC50 Western mosquitofish (Gambusia affinis): 125 mg/l 96 Hours
Nitrilotriacetic Acid, Trisodium Salt (5064-31-3)	LC50 Rainbow trout, donaldson trout (Oncorhynchus mykiss): 72 - 133 mg/l 96 Hours
Propylene Glycol (57-55-6)	EC50 Water flea (Daphnia magna): > 10000 mg/l 48 Hours

Components	Test Results
Propylene Glycol (57-55-6)	LC50 Fathead minnow ( <i>Pimephales promelas</i> ): 710 mg/l 96 Hours
Tetrasodium Ethylenediaminetetraacetate (64-02-8)	LC50 Bluegill ( <i>Lepomis macrochirus</i> ): 472 - 500 mg/l 96 Hours
Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16) (68424-85-1)	LC50 Striped bass ( <i>Morone saxatilis</i> ): 10 - 19 mg/l 96 Hours

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulation / Accumulation</b>	No data available.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Mobility in environmental media</b>	No data available.

### 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose in accordance with applicable federal, state, and local regulations. This material and its container must be disposed of as hazardous waste. Incinerate the material under controlled conditions in an approved incinerator.
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### 14. Transport Information

#### DOT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

#### TDG

Not regulated as dangerous goods.

### 15. Regulatory Information

<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
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#### CERCLA (Superfund) reportable quantity (lbs)

Sodium Hydroxide: 1000

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
<b>Section 302 extremely hazardous substance</b>	No
<b>Section 311 hazardous chemical</b>	Yes
<b>Drug Enforcement Agency (DEA)</b>	Not controlled
<b>Canadian regulations</b>	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
<b>WHMIS status</b>	Controlled

**WHMIS classification**

D1B - Immediate/Serious-TOXIC  
 D2A - Other Toxic Effects-VERY TOXIC  
 D2B - Other Toxic Effects-TOXIC  
 E - Corrosive

**WHMIS labeling****Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US - Massachusetts RTK - Substance: Listed substance**

Nitrilotriacetic Acid, Trisodium Salt (CAS 5064-31-3) Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Propylene Glycol (CAS 57-55-6) Listed.

**16. Other Information****Further information**

HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 3\*  
 Flammability: 1  
 Physical hazard: 0

**NFPA ratings**

Health: 3  
 Flammability: 1  
 Instability: 0

**Disclaimer**

The information in the sheet was written based on the best knowledge and experience currently available.

**Issue date**

01-27-2010