

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name GenieClean™ Super Concentrated Toilet Cleaner Refill
Version # 01
Revision date 07-01-2010
Item # 74021
Product use Toilet cleanser
Manufactured For Triple S
2 Executive Park Drive
Billerica, MA 01862
Telephone number: (800) 323-2251

Emergency 1-888-779-1339

2. Hazards Identification

Physical state Liquid.
Appearance Dark blue 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

Eye contact	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.
Skin contact	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.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	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 (CO₂).

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_x). 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/m³

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

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

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

10. Chemical Stability & Reactivity Information

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

11. Toxicological Information

Toxicological data

Components

Sodium Lauriminodipropionate (14960-06-6)
Nitrilotriacetic Acid, Trisodium Salt (5064-31-3)

Test Results

Acute Oral LD50 Rat: > 5000 mg/kg
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
Acute Oral LD50 Rat: 30000 mg/kg
Acute Oral LD50 Rat: 426 mg/kg

Propylene Glycol (57-55-6)

Di-(C8-10)-Alkyl-Dimethyl Ammonium Chlorides (68424-95-3)

Acute effects	Causes burns. Harmful if swallowed. Vapors and spray mist may irritate throat and respiratory system and cause coughing.
Sensitization	Not available.
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
Carcinogenicity	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.

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

12. Ecological Information

Ecotoxicological data

Components

Sodium Hydroxide (1310-73-2)

Test Results

EC50 Water flea (Ceriodaphnia dubia): 34.59 - 47.13 mg/l 48 Hours
LC50 Western mosquitofish (Gambusia affinis): 125 mg/l 96 Hours
LC50 Rainbow trout, donaldson trout (Oncorhynchus mykiss): 72 - 133 mg/l 96 Hours
EC50 Water flea (Daphnia magna): > 10000 mg/l 48 Hours

Nitrilotriacetic Acid, Trisodium Salt (5064-31-3)

Propylene Glycol (57-55-6)

Components

Propylene Glycol (57-55-6)

Tetrasodium Ethylenediaminetetraacetate (64-02-8)

Alkyl Dimethyl Benzyl Ammonium Chloride (C12-16) (68424-85-1)

Test Results

LC50 Fathead minnow (*Pimephales promelas*): 710 mg/l 96 Hours

LC50 Bluegill (*Lepomis macrochirus*): 472 - 500 mg/l 96 Hours

LC50 Striped bass (*Morone saxatilis*): 10 - 19 mg/l 96 Hours

Ecotoxicity

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.

Environmental effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability

Not available.

Bioaccumulation / Accumulation

No data available.

Partition coefficient (n-octanol/water)

Not available

Mobility in environmental media

No data available.

13. Disposal Considerations

Disposal instructions

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.

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

US federal regulations

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.

CERCLA (Superfund) reportable quantity (lbs)

Sodium Hydroxide: 1000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes

Delayed Hazard - Yes

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

Yes

Drug Enforcement Agency (DEA)

Not controlled

Canadian regulations

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.

WHMIS status

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

Nitrotriacetic 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

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