

Safety Data Sheet

According to SS586:2014

Tilex Soap Scum Remover & Disinfectant₁

Version 1.0

Printing date: 10/10/2014

Revision date: 10/10/2014

SDS Record Number: CSSS-TCO-010-115566

Section 1 Identification of the substance/mixture and of the company/undertaking

Product identifier:

Identification on the label/Trade name: Tilex Soap Scum Remover & Disinfectant₁
Additional identification: Not available
Identification of the product: See section 3
Index Number: Not available
REACH registration No.: Not available

Relevant identified uses of the substance and uses advised against:

Identified uses:

Disinfectant Bathroom and Tile Cleaner - Non-aerosol.

Uses advised against:

Not available.

Details of the supplier of the safety data sheet:

Supplier(Manufacturer): The Clorox Company
Address: 1221 Broadway Oakland, CA 94612 USA
Contact person(E-mail): -
Telephone: -
Fax: -

Emergency telephone Number:

For Medical Emergencies call: 1-800-446-1014

Transportation Emergencies, call Chemtrec: 1-800-424-9300

Available outside office hours? YES NO

Section 2 Hazards Identification

Classification of the substance/mixture:

GHS Classification serious eye damage/eye irritation category 2A

label elements:

Hazard Pictograms:



Signal Word(S):

Warning

Hazard Statement:

Causes serious eye irritation.

Precautionary statement:

Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Other hazards:

Not available.

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Butoxydiglycol	N/A	112-34-5	203-961-6	1-5%
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, tetrapotassium salt	N/A	5964-35-2	227-743-5	1-5%
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	N/A	85409-23-0	287-090-7	0.1-1%

Section 4 First aid measures

Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

In case of inhalation:

Move to fresh air.

In case of skin contact:

Wash off with warm water and soap.

In case of eyes contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if applicable, and continue flushing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention immediately if irritation persists.

In case of ingestion:

Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Consult a physician.

Most important symptoms and effects, both acute and delayed:

Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

Extinguishing media:

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Use of water spray when fighting fire may be inefficient.

Special hazards arising from the substance or mixture

Not available.

Special fire fighting methods and

As in any fire, wear self-contained breathing apparatus pressure-demand,

special protective actions for fire-fighters:

MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

Environmental Precautions: See Section 12 for additional Ecological Information .

Methods for Containment and Cleaning up: Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Pick up and transfer to properly labeled containers.

Reference to other sections: See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Additional information: Not applicable.

Section 7 Handling and storage

Precautions for safe handling:

Protective measures: Containers, even those that have been emptied, may contain explosive vapours. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities: Keep containers tightly closed in a dry, cool and well-ventilated place.

Specific end use(s): Not applicable.

Section 8 Exposure Controls/Personal Protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US ACGIH Threshold Limit Values (TLV)	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

EMERGENCY LIMITS:

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
Tilex Soap Scum Remover & Disinfectant ₁	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
Butoxydiglycol	Not Available	Not Available
Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, tetrapotassium salt	Not Available	Not Available
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	Not Available	Not Available

Exposure controls:

Appropriate engineering controls:	Use in a well-ventilated area.
Individual protection measures, such as personal protective equipment:	
Eye/face protection:	If splashes are likely to occur, wear: Safety glasses with side-shields. None required for consumer use.
Hand protection:	Wear protective gloves.
Body protection:	Wear protective clothing.
Respiratory protection:	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Thermal hazards:	Wear suitable protective clothing to prevent heat.
Environmental exposure controls:	Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties**Information on basic physical and chemical properties:**

Appearance:	Clear liquid
Colour:	Colorless
Odour:	Citrus, green, solvent
Odour threshold:	Not available
pH:	12.5
Melting point/range (°C):	Not available
Boiling point/range (°C):	Not available
Flash point (°C):	94°C/201°F
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Density:	Not available
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Appreciable
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available

Other information:

Fat solubility(solvent– oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

Reactivity:	The substance is stable under normal storage and handling conditions.
Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Incompatible materials.
Incompatible materials:	Not available
Hazardous decomposition products:	None known based on information supplied.

Section 11 Toxicological information**Toxicokinetics, metabolism and distribution:**

Non-human toxicological data: Not available

Information on toxicological effects:**Acute toxicity:**

Butoxydiglycol (CAS#112-34-5)

LD50(Oral, Rat): 3384 mg/kg

LD50(Dermal, Rabbit): 2700 mg/kg

LC50(Inhalation, Rat): Not available

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Section 12 Ecological information

Toxicity: Butoxydiglycol (CAS#112-34-5)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	1300 mg/L	96h	Fish	OECD 203	N/A	N/A
NOEC	>= 100 mg/L	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil:	Not available.
Results of PBT&vPvB assessment:	Not available.
Other adverse effects:	Not available.

Section 13 Disposal considerations

Waste treatment methods:	The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.
Product / Packaging disposal:	If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Butoxydiglycol (112-34-5) is found on the following regulatory lists	Not available.
Glycine, N,N`-1,2-ethanediylbis[N-(carboxymethyl)-, tetrapotassium salt (5964-35-2) is found on the following regulatory lists	Not available.
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides (85409-23-0) is found on the following regulatory lists	Not available.

Section 16 Other information

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any

other product or process, is the responsibility of the user.

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