



Dish Clean LT

Safety Data Sheet

Date of Issue: 15/05/2017

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Form: Liquid Mixture

Product Name: Dish Clean LT

Product Code: STC0202

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the mixture: Automatic dishwasher detergent

1.3 Details of the supplier of the safety data sheet

Sci-Tech Engineered Chemicals Inc.

9902 90th Avenue

Morinville AB, T8R 1K7

Ph: 780-960-1200 Fx: 780-960-1201

www.scitechinc.ca

1.4 Emergency telephone number

CANUTEC (613) 996-6666

SECTION 2: Hazards identification

2.1 Classification of the substance of mixture

WHMIS 2015 - GHS Classification

Skin Corrosion 1B

Eye Damage 1

Acute toxicity 4

2.2 Label elements



DANGER

Hazards:

- H301 Toxic if swallowed.
- H332 Harmful if inhaled.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.

- H318 Causes serious eye damage.
 H413 May cause long lasting harmful effects to aquatic life.

- Precautions:**
- P261 Avoid breathing dust/fumes/mist/vapours/spray.
 - P102 Keep out of reach of children.
 - P103 Read label before use.
 - P280 Use personal protective equipment as required.
 - P262 Do not get in eyes, on skin, or on clothing.
 - P233 Keep container tightly closed.

2.3 Other Hazards

- H290 May be corrosive to metals.

SECTION 3: Composition/Information on ingredients

Component	CAS#	Concentration	LD50 (rat, oral)
Potassium hydroxide	1310-58-3	10 -20 %	273 mg/kg
Potassium tripolyphosphate	13845-36-8	1 - 5 %	>2000 mg/kg
Sodium hydroxide	1310-73-2	1 - 5 %	100 mg/kg

SECTION 4: First-aid measures

- Eye Contact:** In case of EYE CONTACT, remove contact lenses and flush with water or saline solution for at least 15 minutes. Seek immediate medical assistance. May cause severe and permanent eye damage.
- Skin Contact:** In case of SKIN CONTACT, remove contaminated clothing and thoroughly rinse skin with water. If burns or persistent irritation are present, seek medical assistance. May cause skin burns or irritation.
- Inhalation:** In case of INHALATION, remove victim to fresh air. If irritation persists seek medical attention. May cause irritation of the upper respiratory tract.
- Ingestion:** In case of INGESTION, give victim a glass of water to dilute the chemical in the stomach. DO NOT induce vomiting. If victim vomits, lean them forward to prevent aspiration into the lungs. May cause burning of the esophagus, stomach resulting in severe gastrointestinal distress including vomiting and diarrhea.

SECTION 5: Fire fighting measures

- Extinguishing media:** Non- flammable. Use media appropriate for surrounding fire.
- Chemical hazards:** Spilled chemical is corrosive and can generate heat and carbon dioxide if mixed with acids.
- Protective equipment for fire fighters:** Standard firefighter bunker gear.

SECTION 6: Accidental release measures

In case of release wear proper protective equipment. For large spills, Try to contain the leak or spill and prevent entry into sewers, waterways or the environment. Slowly neutralize spill with a dilute acid (citric acid, vinegar) and collect for disposal. Small spills can be diluted with water and washed down the drain.

SECTION 7: Handling and storage

Precautions for handling: Wear proper protective equipment when handling product. Avoid generating mists. Dispense directly from container when possible.

Condition for safe storage: Store in a cool, dry area away from incompatibles. Keep container closed and out of reach of children when not in use.

SECTION 8: Exposure controls/personal protection

Control parameters: Use in an area with good general ventilation

Appropriate engineering controls: If possible, meter directly from container into dish machine to avoid contact with the concentrate.

Personal protective equipment: If directly handling concentrate, use safety glasses and nitrile gloves. Ensure access to eye wash and emergency shower stations.

SECTION 9: Physical and chemical properties

Appearance: Clear yellow liquid

Odour: Mild

Odour threshold: n.av.

pH: 12.5 +/- 0.5

Melting point: 0 °C

Initial boiling point and boiling range: n.av.

Flash point Non-flammable

Evaporation rate: n.av.

Flammability: Non-flammable

Upper/lower flammability limits: n.av.

Vapour pressure: n.av.

Vapour density: n.av.

Relative density: 1.10 g/mL

Solubility: n.av.

Partition coefficient: n-octanol/water: n.av.

Auto-ignition temperature: n.ap.

Decomposition temperature: n.av.

Viscosity: n.av.

SECTION 10: Stability and reactivity

Reactivity: Non-reactive.

Chemical stability: Stable under normal conditions.

Hazardous reactions: Contact with acids will release heat and carbon dioxide.

Conditions to avoid:	Avoid contact with acids.
Incompatible materials:	Avoid contact with acids, strong reducers and strong oxidizers.
Hazardous decomposition products:	Can thermally decompose to product carbon dioxide and carbon monoxide.

SECTION 11: Toxicological information

Routes of exposure:	Ingestion, skin and eye contact.
Symptoms of exposure:	Contact with skin and eyes can cause severe burning and permanent damage. Ingestion can cause pain, gastrointestinal distress and perforation of the gastrointestinal system.
Delayed and immediate effects:	Contact with skin and eyes can cause immediate damage.
Acute toxicity estimate:	1424 mg/kg rat (oral)

SECTION 12: Ecological information

Ecotoxicity:	Data not available
Persistence and degradability:	Data not available
Bioaccumulative potential:	Low potential for bioaccumulation
Mobility in soil:	Data not available
Other adverse effects:	Contains phosphates which can contribute to algae overgrowth in water systems.

SECTION 13: Disposal considerations

Product should be disposed of in accordance to provincial or state and local government requirements prior to disposal. If the product was supplied in a single use container, care should be taken to dispose of the container in a responsible manner in accordance to local regulations.

SECTION 14: Transport information

Canadian TDG:	Corrosive Liquid, Basic, Inorganic n.o.s. (Sodium hydroxide, potassium hydroxide): Class 8, UN3266, PG II
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SECTION 15: Regulatory information

DSL:	All components are listed on the Canadian DSL
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SECTION 16: Other information

Prepared by: Sci-Tech Engineered Chemicals Research and Development Department

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