

# Material Safety Data Sheet

# 49 Neutral Germicidal Cleaner

## 1. Product and company identification

<b>Product name</b>	# 49 Neutral Germicidal Cleaner	<b>In case of emergency</b>	1-800-843-6174
<b>Code</b>	2749	<b>Validation date</b>	11/8/2011.
<b>Material uses</b>	Germicidal cleaner and deodorant	<b>Print date</b>	11/8/2011.
<b>Manufacturer</b>	Essential Industries, Inc. P.O. Box 12 Merton, WI 53056-0012 Phone: 262-538-1122	<b>Responsible name</b>	<b>Regulatory Affairs Department</b>

### Hazardous Material Information System (U.S.A.)

<b>Health</b>	<b>2</b>	<b>HAZARD RATING</b>
<b>Flammability</b>	<b>0</b>	4 = Extreme
<b>Physical hazards</b>	<b>0</b>	3 = High
<b>Personal protection</b>	<b>B</b>	2 = Moderate
		1 = Slight
		0 = Insignificant

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

## 2. Hazards identification

**Emergency overview** Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.

### Potential acute health effects due to overexposure

**Inhalation** Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness. Harmful if inhaled.

**Ingestion** Ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death.

**Skin** Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through the skin.

**Eyes** Causes irritation and/or burns and may result in permanent injury to eyes including blindness.

### Potential chronic health effects due to overexposure

**Carcinogenicity** No known significant effects or critical hazards.

**Mutagenicity** No known significant effects or critical hazards.

**Teratogenicity** No known significant effects or critical hazards.

**Developmental effects** No known significant effects or critical hazards.

**Fertility effects** No known significant effects or critical hazards.

See toxicological information (section 8)

## 3. Composition/information on ingredients

<b>Name</b>	<b>CAS number</b>	<b>%</b>
didecyldimethylammonium chloride	7173-51-5	5 - 10
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	1 - 5
ethanol	64-17-5	1 - 5
tetrasodium ethylenediaminetetraacetate	64-02-8	1 - 5
Alcohols, C12-15, ethoxylated	68131-39-5	1 - 5

## 4. First aid measures

**Eye contact** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Remove contact lenses after first 5 minutes, then continue rinsing eyes. Seek medical attention.

**Skin contact** Take off immediately all contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation** If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion** Call a poison center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Protection of first-aiders** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**Notes to physician** In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. Probable mucosal damage may contraindicate the use of gastric lavage.

## 5. Fire-fighting measures

<b>Flammability of the product</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Extinguishing media</b>	
<b>Suitable</b>	In case of fire, use water spray (fog), foam, dry chemical or CO <sub>2</sub> . Solid water streams may spread burning liquid.
<b>Special exposure hazards</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Hazardous thermal decomposition products</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
<b>Special protective equipment for fire-fighters</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Cool closed containers exposed to fire with water.
<b>Flash point</b>	Closed cup: Not applicable

## 6. Control and preventive measures

**Storage** Keep container in a cool, well-ventilated area. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

<b>Ingredient</b>	<b>Exposure limits</b>
ethanol	<b>OSHA PEL (United States, 11/2006).</b> TWA: 1000 ppm 8 hour(s).

### **Personal protection**

**Respiratory** If exposure limits are exceeded or if irritation is experienced, a NIOSH/MSHA approved respirator with an organic-vapor removing cartridge should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposure.

**Hands** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Skin** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Eyes** Wear chemical goggles. Use a face shield if splashing is possible.

### **Methods for cleaning up**

**Small spill** Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

**Waste disposal** Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

## 7. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Boiling/condensation point</b>	100°C (212°F)
<b>Color</b>	Green (dye added)	<b>Melting/freezing point</b>	0°C (32°F)
<b>Odor</b>	Herbal (Fragrance added)	<b>Vapor pressure</b>	4 kPa (30 mm Hg)
<b>VOC</b>	2.6%	<b>Vapor density</b>	<1 [Air = 1]
<b>pH</b>	7.0 to 8.0	<b>Weight per Gallon:</b>	8.34 lbs./gal.
<b>1% pH:</b>	N.A.	<b>Specific Gravity:</b>	1.00 gm/ml

## 8. Toxicological information

### **Acute toxicity**

<b>Product/ingredient name</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>	<b>Exposure</b>
tetrasodium ethylenediaminetetraacetate	LD50 Oral	Rat	10 g/kg	-
Alcohols, C12-15, ethoxylated	LD50 Oral	Rat	2 g/kg	-
ethanol	LD50 Oral	Rat	7060 mg/kg	-
didecyldimethylammonium chloride	LD50 Oral	Rat	84 mg/kg	-
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	LD50 Oral	Rat	426 mg/kg	-

**Conclusion/Summary** Not available

### **Chronic toxicity**

**Conclusion/Summary** Not available

## 9. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated	-	-	-		-

PG\* : Packing group