




SAFETY DATA SHEET

SECTION 1: IDENTIFICATION	
Product Name:	Deptil Q4
EPA Registration #:	10324-117-3276
Product ID:	
Common Name:	Deptil Q4
Chemical Description:	
Recommended Uses:	Disinfectant. This product is intended to be diluted prior to use. For further information refer to the EPA Registered product label. Uses other than those identified are not recommended.
Restrictions for Use:	Reserved for industrial and professional use.
Supplier	TRANSPORTATION EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 (CHEMTREC 24hrs)
Kersia USA Saratoga Springs, NY 12866 518-866-9827	Non-Emergency Business Inquiries: 1-518-866-9827 Mon – Fri 8am – 5pm (Eastern Standard Time)
SECTION 2: HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW: Clear solution with characteristic odor	
POTENTIAL HEALTH EFFECTS:	
GHS Classification:	
Corrosive to Metals	
Skin Irritation:	Category 1B
Eye Irritation:	Category 1
Acute Toxicity – Inhalation:	Category 4
Carcinogenicity	NTP: Not listed IARC: Not listed OSHA: Not listed
SIGNAL WORD: DANGER!	
	
HAZARD STATEMENTS:	
H302: Harmful if swallowed	
H312: Harmful in contact with skin	
H314: Causes severe skin burns and eye damage	
PRECAUTIONARY STATEMENTS:	
Prevention	
P262: Do not get in eyes, on skin, or on clothing	
P264: Wash affected areas thoroughly after handling	
P270: Do not eat, drink or smoke when using this product	
P280: Wear protective gloves and eye, face and foot protection	
Response	
P301+312+330+331: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting.	
P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water	
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing	
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing	
P310: Immediately call a POISON CENTER or doctor/physician	
P363: Wash contaminated clothing before reuse	
Storage	
P233: Keep container tightly closed	
P234: Keep only in original container	
P501: Dispose of contents and container to an approved waste disposal plant	

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture:	Mixture	
Component	% (wt)	CAS Reg. #
Alkyl (C12-16) dimethylbenzyl ammonium chloride	>=10.8-<=11.4	68424-85-1
Octyl decyl dimethyl ammonium chloride		32426-11-2
Didecyl dimethyl ammonium chloride		7173-51-5
Diocetyl dimethyl ammonium chloride		5538-94-3
Tetrasodium EDTA	>=1.8-<=2.0	64-02-8
Nonionic surfactant	>=4.8-<=5.3	List specific*
Other components	Balance	
* List nonionic surfactant used from the Confidential Statement of Formula: 9003-11-6, 9016-45-9, 34398-01-1, 68131-39-5, 68131-40-8		
See Section 8 for exposure limits.		

SECTION 4: FIRST AID MEASURES

General advice:	Show this material safety data sheet to medical personnel. Do not leave affected person unattended. Isolate exposed apparel for laundry before re-use.
Eye contact:	Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.
Skin contact:	Take off contaminated clothing and shoes immediately. Wash affected areas with plenty of water. Seek medical attention if irritation develops or persists.
Ingestion:	Do NOT induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Rinse mouth with water. Seek medical attention.
If inhaled:	Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
Most Important Symptoms, Acute and Delayed	
Causes skin and eye irritation. Harmful if inhaled.	
Immediate Medical Attention Needed	
Call poison control center or doctor for treatment advice.	
Notes to Physicians	
Probable mucosal damage may contraindicate the use of gastric lavage.	

SECTION 5: FIRE FIGHTING MEASURES

NFPA Rating
Health – 3
Flammability – 0
Reactivity – 0
Flash Point
Not applicable
Auto-ignition Temperature
Not applicable
Explosive Limit
May include carbon oxides, nitrogen oxides
Suitable Extinguishing Media: The product is not flammable Use media suitable for the material that is burning
Fire Fighting Instructions
As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear. No special methods required. Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side. Contain the extinguishing fluids by diking.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures. Spill area may be slippery. Wear appropriate protective equipment (See Section 8).

Methods for Containment and Clean Up:

Recovery: Stop leak if safe to do so. Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread. Keep in suitable, properly labeled, closed containers for disposal.

Decontamination/cleaning: Wash non-recoverable remainder with large amounts of water. Clean contaminated surfaces thoroughly. Recover the cleaning water for subsequent disposal.

Disposal: Dispose of in accordance with local regulations

Additional advice: Spill area may be slippery

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Wear appropriate protective equipment including long chemical resistant gloves, chemical splash goggles and protective footwear. Handle in accordance with good industrial hygiene and safety practice. Do not spray toward face. Wash affected areas after use. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Conditions for Safe Storage:

Technical measures for storage: Does not require any specific or particular measures. Storage class (TRGS 510): Non-combustible, corrosive materials

Storage conditions

Recommended: Keep container tightly closed. Opened containers must be carefully resealed and kept upright to prevent leakage.

Incompatible products: Hazardous reactions may occur on contact with certain chemicals. Refer to the list of incompatible materials section 10: "Incompatible materials"

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Component:

OSHA PEL-TWA

ACGIH TLV-TWA

ACGIH TLV

Not reportable

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

Personal protective equipment

Respiratory protection:

In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

Hand protection:

Wear long chemical resistant gloves. Observe instructions regarding permeability and breakthrough time provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion and contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection:

Wear chemical splash goggles.

Skin and body protection:

Wear footwear protecting against chemicals, and impervious clothing. Choose body protection according to the amount and concentration of the substances in the workplace.

Hygiene measures:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.

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Protective measures:	2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
	3) Wash exposed skin promptly to remove accidental splashes or contact with material.
Ensure that eyewash stations and safety showers are close to the workstation location, and that emergency equipment is immediately accessible with instructions for use. The protective equipment must be selected in accordance with current local standards and in following proper use instructions from the supplier of the protective equipment. Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards, and/or risks that may occur during use.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Specific Gravity (H ₂ O=1):	Not established
Vapor Pressure (mm Hg):	Not established	Bulk Density:	0.99 g/ml, 8.3 lbs/gal (25°C)
Vapor Density (Air=1):	Not established	Melting/freezing Point:	Not established
Solubility in Water (wt %):	100%	Boiling Point/Range:	>100°C (212°F)
Viscosity:	Low viscosity	pH:	6.0 – 8.0
Appearance and odor:	Clear solution with a characteristic odor	Flash Point:	Does not flash
Evaporation Rate:	Not established	Flammability:	Not flammable

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No information available
Chemical Stability: Stable and non-reactive under normal conditions of use, storage and transport
Possibility of Hazardous Reactions: No information available
Conditions to Avoid: No information available
Incompatible Materials: Anionic surfactants
Hazardous Decomposition Products: Oxides of carbon and nitrogen

SECTION 11: TOXICOLOGICAL INFORMATION

Product Summary:
 Causes severe skin burns and serious eye damage. Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly digestive tract. Vapors and spray mist may irritate throat and respiratory system and cause coughing.
 No data available for the teratogenicity, mutagenicity, or reproductive toxicity of this product. No data available to designate the product as causing specific target organ toxicity through repeated exposure. No data available to designate product as an aspiration hazard.

Information on Likely Routes of Exposure

Likely routes of exposure:	Ingestion, skin and eye contact and inhalation of vapors which may evolve from the material.	
Potential Acute Health Effects:	Eye contact	Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.
	Skin contact	Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).
	Ingestion	Harmful if swallowed. Causes burns/serious damage to mouth, throat and stomach. Symptoms may include vomiting, nausea, and/or feeling of general unwellness.
	Inhalation	May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.
	Sensitization	No known effects



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Potential chronic health effects:	Short term exposure: Components in this product may be irritating to the skin, eyes and respiratory tract. Long term exposure: Prolonged inhalation effects may be harmful. In extreme cases, it may cause pulmonary damage and death.	
Information on toxicological effects:	Acute oral:	LD50 >809 mg/kg
	Acute dermal:	LD50 >2000 mg/kg
	Acute inhalation:	No information available
	Acute toxicity (other):	No information available
	Skin corrosion/irritation	
	Skin irritation:	Corrosive. Causes severe burns
	Serious eye damage/eye irritation	
	Eye irritation:	Corrosive. Causes serious eye damage.
Other Health Effects	Respiratory or skin sensitization	
	Sensitization:	Not classified as sensitizing by skin contact
	No data available on other possible health effects	

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: Not determined

ECOTOXICITY DATA:

Toxic to aquatic life.

ENVIRONMENTAL EFFECTS:

Soil Absorption/Mobility:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative Potential:	No bioaccumulation is to be expected (log Pow<=4)
Other adverse effects:	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental control agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Product disposal: Observe all applicable federal, state, and local regulations

Packaging: Remove all residue when emptying

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SECTION 14: TRANSPORT INFORMATION

Transport of this material should be in accordance with all applicable Federal, State and local rules, regulations and requirements, including, without limitation, the rules and regulations of the US Department of Transportation, including all applicable packaging and labeling requirements.

DOT: UN/NA Number: Regulated as a hazardous material when shipped by motor vehicle or rail car under UN (Ground) 1903.
Proper Shipping Name: Disinfectants, Liquid Corrosive, N.O.S. (Quaternary Ammonium Compound)
Class 8
Packing Group: II
Labels Required:
Reportable Quantity: N/A
Technical Name:

IMDG: Not determined
(Sea)

IATA: Not determined
(Air)

TDG: Not determined
(Canada)

SECTION 15: REGULATORY INFORMATION

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

Notification status: Not applicable
OSHA Hazard Communication Standard (26 CFR 1910.1200): Hazardous

CERCLA (RQ)

Ingredient(s)	CAS#	Weight	CERCLA RQ	Section 302 TPQ
Not listed				

SARA/EPCRA Extremely Hazardous Substances (302/304)

Ingredient(s)	CAS#	Weight	RQ	TPQ
Not listed				

SARA Hazard Categories (311/312)

Fire	Reactive	Acute health hazard	Chronic health hazard
No	No	Yes	No

SARA Toxic Substances (313) The following components are subject to SARA Section 313 reporting requirements

Ingredient(s)	CAS#	Weight
Not listed		

CAA (311) Volatile Organic compounds

Ingredient(s)	CAS#	Weight
Not listed		

Other regulations

No information available



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SECTION 16: OTHER

NFPA-Classification		HMIS-Classification	
Health	3 high	Health	3 high
Flammability	0 insignificant	Flammability	0 insignificant
Instability or Reactivity	0 insignificant	Reactivity	0 insignificant
		HMIS PPE	B
		B=Safety glasses, Gloves	

Product at Use-Dilution

NFPA-Classification		HMIS-Classification	
Health	1 slight	Health	1 slight
Flammability	0 insignificant	Flammability	0 insignificant
Instability or Reactivity	0 insignificant	Reactivity	0 insignificant
		HMIS PPE	

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH: American Conference of Governmental Industrial Hygienists		NIOSH: National Institute for Occupational Safety and Health	
HMIS: Hazardous Materials Identification System		NTP: National Toxicology Program	
IARC: International Agency for Research on Cancer		OSHA: Occupational Safety and Health Administration	
NFPA: National Fire Protection Association			

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