

MATERIAL SAFETY DATA SHEET

BEST SUPPLY CO.
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GENERAL INFORMATION NUMBER: 631-630-5412
CHEMTREC: (800) 424-9300

REVISION DATE: November 11, 2010
DATE OF ISSUE: December 28, 2010

I - Product Identification

Vanquish

PRODUCT CODE: 0175

CHEMICAL FORMULATION: Quaternary-based disinfectant.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
N,N-Dialkyl (C ₈₋₁₀)-N,N-dimethylammonium chloride	3.30	N/E	N/E	N	N	N	68424-95-3
N-Alkyl (C ₁₂₋₁₆) dimethylbenzylammonium chloride	2.20	N/E	N/E	N	N	N	68424-85-1
Nonylphenol (branched) Ethoxylate	1.00-5.00	N/E	N/E	N	N	N	9016-45-9
Tetrasodium ethylenediamine tetraacetate	< 2.00	N/E	N/E	N	N	N	64-02-8
Ethanol	< 2.00	1000 ppm	1000 ppm	N	N	N	64-17-5

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined
N/E: Not Established Y: Yes N: No

N/A: Not Applicable

N/D: Not Determined

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355). 372:

SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

VAPOR PRESSURE (mm Hg): N/D

VAPOR DENSITY (AIR = 1): N/D

SOLUBILITY IN WATER: Soluble

APPEARANCE AND ODOR: Clear, colorless liquid; detergent odor.

SPECIFIC GRAVITY (WATER = 1): 1.01

VOC CONTENT (% by weight): N/D

EVAPORATION RATE (WATER = 1): N/D

pH: 12.40

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > 200 (TEST METHOD): N/D

FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: N/D LOWER: N/D

EXTINGUISHING MEDIA: Water, alcohol foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Products of combustion are toxic.

PRODUCT NAME: Vanquish

V - Reactivity Data

STABILITY: Stable.

INCOMPATIBILITY: Strong acids.

CONDITIONS TO AVOID: None.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce hydrogen chloride, amines and other organic materials, oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY INHALATION: X EYE CONTACT: X SKIN CONTACT: X INGESTION:

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: Moderate to severe irritation, redness, tearing. Possible burns and irreversible damage may occur with prolonged contact. IF

ON SKIN: Irritation, chapping with prolonged or repeated exposure.

IF SWALLOWED: May be harmful if swallowed. Gastrointestinal irritation, nausea, vomiting, diarrhea.

IF INHALED: May cause headache, irritation to the eyes, nose and throat.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention. IF

ON SKIN: Flush area with water while removing contaminated clothing. Obtain medical attention if irritation persists. Launder clothing separately before reuse.

IF SWALLOWED: Contact physician or poison control center immediately. Rinse mouth with water. Do not induce vomiting unless instructed by a physician or poison control center. Never give anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. If victim is not breathing, administer artificial respiration. If victim is breathing, give oxygen.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and contain spill. Soak up with inert absorbent material and placed in a closed container for disposal. Flush away residue with water. WASTE DISPOSAL METHOD: Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: Eye wash station.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place. Keep container tightly closed when not in use.

OTHER PRECAUTIONS: Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: None

DOT CLASS: None

DOT ID NUMBER: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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