

### NEUTRAQUAT 256

#### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: NeutraQuat 256  
 Product Type: Germicidal Detergent and Deodorant  
 EPA Registration: 10324-141-41567

Product Number: 613DTC

**Manufacturer Address:**

Amano Pioneer Eclipse Corporation  
 P.O. Box 909  
 1 Eclipse Road  
 Sparta, NC 28675

**Contact Information:**

Telephone: 1-336-372-8080  
 Email: msds@pioneer-eclipse.com  
 Internet: www.pioneer-eclipse.com

**FOR CHEMICAL EMERGENCY:** Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.  
 Within USA and Canada 1-800-424-9300. Outside USA and Canada +1 703 527 3887 (collect calls accepted)

#### 2: HAZARDS IDENTIFICATION

**OSHA status:** Hazardous  
**Precautions:** Danger. Corrosive. Harmful if swallowed, inhaled or absorbed through the skin.  
 Keep out of reach of children. Keep container closed when not in use.

**Potential Health Effects:**

**Eye Contact:** Causes burns and may result in permanent injury.  
**Skin Contact:** Causes burns. Harmful if absorbed through the skin.  
**Inhalation:** Harmful if inhaled. Symptoms may include headaches, dizziness and drowsiness.  
**Ingestion:** Harmful if swallowed.

**Health: 3**  
**Flammability: 0**  
**Reactivity: 0**

#### 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight %
didecyl dimethyl ammonium chloride	7173-51-5	7 - 13
n-alkyl dimethyl benzyl ammonium chloride	68424-85-1	5 - 10
tetrasodium ethylenediamine tetraacetate	64-02-8	1 - 5
ethanol	64-17-5	1 - 5

#### 4: FIRST AID MEASURES

**Eye Contact:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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

**Inhalation:** Move person 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 control 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.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

#### 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Dry chemical, foam, carbon dioxide, water fog

**Special Fire Fighting Procedures:** Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

**Hazardous Combustible Products:** Irritating and toxic gases or fumes may be released during a fire.

**Unusual Fire and Explosion Hazards:** Combustion products are toxic.

#### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Put on appropriate personal protective equipment (see Section 8). Keep unauthorized personnel away. Floors may be slippery; use care to avoid falling.

**Environmental Precautions:** Keep spills and cleaning run-off out of sewers and open bodies of water.

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**Containment and Clean-Up**

Isolate spill or leak area immediately. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area.)

**Emergency Action:**

**Spill Cleanup:** 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. 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.

**Large Spills:** Dike far ahead of liquid spill for later disposal. Pump into containers for disposal.

**7: HANDLING AND STORAGE**

**Handling:** Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

**Storage:** Do not use or store near heat or open flame. Storage temperature ( Max. 60°C/140°F - Min. 1°C/34°F).

**Other information:** Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

**8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits:**

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
Ethanol	64-17-5	NL	1000 ppm	1000 ppm	NL

**Engineering Controls:** Ensure adequate general ventilation.

**Personal Protective Equipment (PPE)**

**Eye/Face Protection:** Chemical splash goggles (ANSI Z87.1-1989 or approved equivalent.)

**Skin Protection:** Rubber gloves recommended. If major exposure is possible, wear suitable protective clothing such as rubber boots, apron, etc.

**Respiratory Protection:** None required when permissible airborne concentrations are not exceeded. In an emergency, use approved positive pressure self-contained breathing device.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b> clear red liquid	<b>Odor:</b> cherry
<b>Odor Threshold:</b> N/E	<b>pH:</b> 7.3
<b>Freezing Point:</b> 32 °F / 0 °C	<b>Boiling Point:</b> 220 °F / 104 °C
<b>Flash Point:</b> > 201°F / >94 °C	<b>Evaporation Rate:</b> less than water
<b>Flammability:</b> not combustible	<b>Upper/Lower Flammability limits:</b> N/A
<b>Vapor Pressure:</b> less than water	<b>Vapor Density:</b> greater than air
<b>Relative Density:</b> 8.4 lb/gal / 1.01 g/mL	<b>Solubility:</b> miscible
<b>Partition Coefficient (n-octanol/water):</b> N/E	<b>Auto Ignition temperature:</b> N/E
<b>Viscosity:</b> < 100 centipoise @ 25°C	<b>VOC:</b> 20%

**10: STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Hazardous reactions:** None expected

**Conditions to avoid:** Do not use or store near heat or open flame.

**Incompatible materials:** Keep away from strong oxidizing agents and reducing agents

**Hazardous decomposition products:** carbon monoxide, carbon dioxide, hydrogen chloride vapors

**11: TOXICOLOGICAL INFORMATION**

**Acute Toxicity:** Toxicity testing has not been completed on the product.

Component	LD50 Oral - Rat	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation - Rat	Carcinogenicity	CA - Prop 65
didecyl dimethyl ammonium chloride	450 mg/kg	332	N/A	NL	NL
n-alkyl dimethyl benzyl ammonium chloride	426 mg/kg	25	N/A	NL	NL
tetrasodium ethylene diamine tetraacetate	10g/kg	N/A	N/A	NL	NL
ethanol	9000 mg/kg	20	20000 ppm	TLV-A3	NL

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**LOCAL EFFECTS**

**Skin contact:** Corrosive. Can cause skin burns.  
**Eye contact:** Corrosive. Can cause eye burns.  
**Sensitization:** None expected  
**Chronic effects:** None expected

**SPECIFIC EFFECTS**

**Carcinogenicity:** None known  
**Reproductive effects:** None known  
**Teratogenicity:** None known  
**Mutagenicity:** None known

**12: ECOLOGICAL INFORMATION**

Ecological testing has not been completed on the product.

**13: DISPOSAL CONSIDERATIONS**

Although not considered a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

**14: TRANSPORT INFORMATION**

**Proper Shipping Name:** Disinfectants, liquid, corrosive n.o.s. (Quaternary Ammonium compound)  
**UN Number:** UN1903      **Hazard Class:** 8      **Packing Group:** III

Package volumes < 5L are shipped as Limited Quantity; as permitted for hazard class and quantity limits.

**15: REGULATORY INFORMATION**

**U.S. Regulations/Reporting:** This product is regulated as a pesticide under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA).  
 Components are not subject to reporting (SARA 302/304, SARA 313 or CERCLA).

**State Right to Know Status:**

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
Ethanol	64-17-5	Listed	Listed	Listed	Listed

**16: OTHER INFORMATION**

**Abbreviations Used:**

N/E - Not Established      N/A - Not applicable  
 N/L - Not Listed      TLV- A3 - Confirmed animal carcinogen with unknown relevance to humans

Revision History:  
 01/13/2012-      MSDS issue

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This MSDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

**\*\*IMPORTANT SAFETY INFORMATION\*\*DO NOT DISCARD\*\*PLEASE ROUTE TO COMPANY SAFETY OFFICER\*\***