

I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	: NeutraQuat	Product Number: 601
PRODUCT USE	: Germicidal Detergent & Deodorant	

MANUFACTURER	: Pioneer Eclipse Corp.	
P.O.BOX	: PO Box 909	
ADDRESS	: 1 Eclipse Road, Sparta, North Carolina, 28675, USA	
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation: Preparation

INFORMATION ON HAZARDOUS INGREDIENTS

Chemical Name	Einecs No.	Weight %	CAS No.	Symbol	R-phrases *
N, N-Didecyl-N, N-dimethylammonium chloride	230-525-2	< 5	7173-51-5	C (Corrosive) N (Dangerous for the Environment)	R10, R21/22, R34, R50
N-Alkyl (C ₁₂₋₁₆)-N, N-dimethylbenzylammonium chloride	270-325-2	< 5	68424-85-1	C (Corrosive) N (Dangerous for the Environment)	R10, R21/22, R34, R50
N, N-Dimethyl-1-octylamine-N-oxide		1-3	2605-78-9	Xi (irritant) Dangerous for the Environment (N)	R38, R41, R50

* See section 16 for the full text of relevant R-phrases

3. HAZARDS IDENTIFICATION

Physical/chemical hazards: Corrosive
Human health hazards: Corrosive
Environmental hazards: Dangerous to the Environment

4. FIRST AID MEASURES

EFFECTS AND SYMPTOMS

Inhalation: May be harmful if inhaled. May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: May cause burns to mouth, throat and stomach. May be harmful if swallowed.
Skin contact: May cause permanent damage. Harmful in contact with skin.
Eye contact: May cause permanent damage.

FIRST AID MEASURES

Inhalation: If breathing is difficult: Remove to fresh air. Get medical attention immediately.
Ingestion: Do not induce vomiting! Immediately drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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Skin contact: Immediately wash off with plenty of water for at least 15 minutes. Get medical attention immediately.

Eye contact: Immediately wash out with water for at least 15 minutes. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Extinguishing media: None

Hazardous combustion products: None

Unusual fire and explosion hazards: None

Special fire fighting procedures: Corrosive material (See Sections 8 and 10).

6. ACCIDENTAL RELEASE MEASURES

Put on appropriate personal protective equipment (see Section 8).

Small spills: Absorb spill on inert material (e.g. sand, earth) and dispose of as waste material in accordance with national and regional provisions.

Large spills: Keep spectators away. Floors may be slippery; use care to avoid falling. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills and cleaning runoff out of sewers and open bodies of water.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapours or spray mists. Remove and wash contaminated clothing and footwear before re-use.

Storage: Storage temperature (Max. 60°C/140°F) (Min. 1°C/34°F). Keep from freezing, product may coagulate. Keep container sealed when not in use. Keep out of reach of children.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limit values: None established

Exposure controls: No special ventilation requirements. Ensure adequate general ventilation.

OCCUPATIONAL EXPOSURE CONTROLS

Respiratory protection: No specific personal protection is required.

Hand protection: Chemical resistant gloves

Eye protection: Chemical splash goggles

Skin protection: If major exposure is possible, wear suitable protective clothing such as rubber boots, apron, etc.

Environmental exposure controls: No specific environmental exposure controls required.

9. PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

Appearance: Clear orange liquid

Odour: Lemon

IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

pH: 7.2-8.2

Flash point: None

Oxidizing properties: Not an oxidizer

Relative density: 1.00 kg/l @ 20°C

Boiling point/boiling range: 100°C

Explosive properties: None

Vapour pressure: Less than water

Solubility: Miscible

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Partition coefficient (n-octanol/water): Not determined
Vapour density: Less than air
Other information: N/A
Volatile by weight: 93-95%
Evaporation rate: 0.4 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Conditions to avoid: None known
Materials to avoid: None known
Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

COMPONENT SUMMARY

Quaternary ammonium chloride compounds

LD₅₀ = > 50-500 mg/kg oral, rat

Potential Health Effects

Eye: Corrosive to eyes.

Skin: Corrosive to skin.

Ingestion: May be fatal if swallowed.

Inhalation: Harmful if inhaled. May cause central nervous system effects including headaches, dizziness, and anesthetic.

Chronic: No data available

CARCINOGENICITY: Not expected to occur.

PREPARATION SUMMARY

Potential Health Effects

Eye: Causes irreversible eye burns.

Skin: Causes skin burns.

Ingestion: Harmful if swallowed.

Inhalation: Harmful if inhaled. May cause central nervous system effects including headaches, dizziness, and anesthetic.

Chronic: None known

CARCINOGENICITY: Not expected to occur.

LOCAL EFFECTS

Skin contact: See section 4

Eye Contact: See section 4

Sensitization: None known

Chronic effects: None known

SPECIFIC EFFECTS

Carcinogenicity: None known

Reproductive effects: None known

Teratogenicity: None known

Mutagenicity: None known

12. ECOLOGICAL INFORMATION

COMPONENT SUMMARY

Quaternary ammonium chloride compounds:

Acute Aquatic Toxicity: Rainbow trout (96 hr), LC₅₀ 0.930 ppm

PREPARATION SUMMARY

Ecotoxicity: Not available

Environmental fate: Not available

Bioaccumulation: Not available

13. DISPOSAL

Disposal of this material should be in accordance with local, regional and national regulations.

14. TRANSPORT INFORMATION

INTERNATIONAL TRANSPORTATION REGULATIONS:

UN number: UN1760

Packing group: III

LAND-ROAD/RAILWAY

Proper shipping name: Corrosive liquid, n.o.s. mixture contains quaternary ammonium chloride

ADR/RID class: 8

ADR/RID item number: 80°C

SEA

Proper shipping name: Corrosive liquid, n.o.s. mixture contains quaternary ammonium chloride

IMDG class: 8

Medical First Aid Guide (MFAG): 780

Emergency Schedules (EmS): Fire F-A, Spillage S-B

Marine Pollutant: none

15. REGULATORY INFORMATION

NATIONAL REGULATIONS: No additional national regulations are known to the supplier.

EU REGULATIONS

Hazard symbol:



EU Classification: Corrosive and Dangerous for the Environment (67/548/EEC-88/379/EEC).

Risk phrases: See section 16.

Safety phrases: S2- Keep out of the reach of children.
 S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28a- After contact with skin, wash immediately with plenty of water.
 S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
 S38- In case of insufficient ventilation, wear suitable respiratory equipment.

S45-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S46- If swallowed, seek medical advice immediately and show this container or label.

S61-Avoid release to the environment.

EINECS Status: All ingredients are included in the EINECS inventories.

CANADA CPR Status: This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

16. OTHER INFORMATION

Relevant R phrases:

R10-Flammable.

R21/22- Harmful in contact with skin and if swallowed.

R34- Causes burns.

R36/37/38-Irritating to eyes, respiratory system and skin.

R50-Very toxic to aquatic organisms.

Detergent/Cleaner labeling (89/542/EEC): (0.2-<5%) Non-ionic surfactant, (<5%) Disinfectant, (0.2-<5%) EDTA and perfume (<5%)-Lyral (0.01-<1%).

Issued by: Timothy J Wright, Chemical R&D Manager

Revision Information: 11/04/06, revision conforming to 2001/58/EC