

### TRITON NON-ACID WASHROOM CLEANER

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

**Product Name:** Triton Non-Acid Washroom Cleaner **Product Number:** 324  
**Product Use:** Water based non-acid washroom cleaner concentrate

**Manufacturer Address:** Amano Pioneer Eclipse Corp.  
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 Sparta, NC 28675 USA


**Contact Information:**  
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**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

This preparation has been classified and labeled according to 1999/45/EC.

**EU Classification:** Classified as an Irritant and Sensitising

**Hazard symbol:** 

**Risk phrases:** R36/38 – Irritating to eyes and skin.  
 R43 – May cause sensitisation by skin contact.  
 R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:** S2 – Keep out of the reach of children.  
 S24/25 – Avoid contact with skin and eyes.  
 S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S28 – After contact with skin, wash immediately with plenty of water.  
 S3739 – Wear suitable gloves and eye/face protection.  
 S61 – Avoid release to the environment. Refer to special instructions/safety data sheets.

#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	EC No.	Weight %	CAS No.	Symbol	R-phrases *
tetrasodium ethylene diamine tetraacetate	200-573-9	5 – 10	64-02-8	Xn (Harmful) Xi (Irritant)	R22 R41
proprietary fragrance mixture	n/a	1 – 5	n/a	Xi (Irritant)	R36/37/38 R43
d-Limonene	227-813-5	0.1 – 1.0	5989-27-5	Xi (Irritant) N (Dangerous for the Environment)	R10, R38, R43 R50/53

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

#### 4. FIRST AID MEASURES

##### EFFECTS AND SYMPTOMS

**Inhalation:** May cause respiratory tract irritation.  
**Ingestion:** May cause irritation to digestive tract.  
**Skin contact:** May cause skin irritation. May cause skin sensitisation.  
**Eye contact:** May cause eye irritation.

##### FIRST AID MEASURES

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Ingestion:** Do not induce vomiting! Immediately drink plenty of water or milk. Never give anything by mouth to an unconscious person. Seek medical attention immediately.  
**Skin contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.  
**Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. (If easy to do, remove contact lenses, if worn). Get medical attention if irritation persists.

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#### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Dry chemical, water spray, foam, carbon dioxide  
**Hazardous combustion products:** None  
**Unusual fire and explosion hazards:** Materials can splatter above 100°C/212°F.  
**Special fire fighting procedures:** None

#### 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  
**Exposure controls:** Ensure adequate general ventilation.  
**Environmental exposure controls:** No specific environmental exposure controls required.

##### PERSONAL PROTECTION

**Respiratory protection:** No specific personal protection is required.  
**Hand protection:** Rubber gloves recommended  
**Eye protection:** Safety glasses recommended  
**Skin protection:** If major exposure is possible, wear suitable protective clothing such as rubber boots, apron, etc.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> clear, red liquid	<b>Odor:</b> strong, floral fragrance
<b>Odor threshold:</b> N/E	<b>pH:</b> 9.3 ± 0.5
<b>Melting point/Freezing Point:</b> 0 °C	<b>Initial boiling point/boiling range:</b> 100 °C
<b>Flash point:</b> none	<b>Evaporation Rate:</b> less than water
<b>Upper/lower flammability/explosive limits:</b> N/E	<b>Vapor pressure:</b> less than water
<b>Vapor density:</b> greater than air	<b>Relative density:</b> 1.064 kg/L @ 20 °C
<b>Solubility:</b> 100% soluble in water	<b>Partition coefficient (n-octanol/water):</b> N/E
<b>Auto-ignition temperature:</b> N/E	<b>Decomposition temperature:</b> N/E
<b>Viscosity:</b> < 10 cps @ 20 °C	<b>Explosive Properties:</b> N/E
<b>Oxidizing properties:</b> Not an oxidizer	<b>Other information:</b> N/A

#### 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions  
**Hazardous Reactions:** None known  
**Conditions to avoid:** None known  
**Incompatible materials:** None known  
**Hazardous decomposition products:** None known

#### 11. TOXICOLOGICAL INFORMATION

**PREPARATION SUMMARY** - Toxicity testing has not been completed on the mixture.

##### LOCAL EFFECTS

**Skin contact:** May cause skin irritation.  
**Eye Contact:** May cause eye irritation.  
**Sensitisation:** May cause sensitisation  
**Chronic effects:** None expected

##### SPECIFIC EFFECTS

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

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#### COMPONENT SUMMARY \*

tetrasodium ethylene diamine tetraacetate CAS# 64-02-8

LD<sub>50</sub>: (oral, rat) 3030 mg/kg

##### Potential Health Effects

**Eye:** Causes irritation of the eyes.

**Skin:** Causes irritation of the skin. Skin contact may produce burns.

**Ingestion:** Harmful if swallowed. Large amounts may cause gastric upset.

**Inhalation:** Inhalation may produce irritation of respiratory tract.

**Chronic:** Repeated or prolonged exposure can produce target organ damage.

**Carcinogenicity:** Not listed as a carcinogen.

proprietary fragrance blend CAS# N/a

LD<sub>50</sub>: not listed

##### Potential Health Effects

**Eye:** Causes irritation of the eyes.

**Skin:** Repeated or prolonged contact can cause redness, irritation and dermatitis.

**Ingestion:** Low order of toxicity. Causes irritation of the stomach and intestines.

**Inhalation:** Inhalation of high vapor concentrations may result in irritation, headache, nausea and dizziness.

**Chronic:** May cause allergic skin reaction.

**Carcinogenicity:** Not listed as a carcinogen.

d- limonene CAS# 5989-27-5

LD<sub>50</sub>: (oral, rat) 4400 mg/kg

##### Potential Health Effects

**Eye:** Causes eye irritation.

**Skin:** Causes skin irritation.

**Ingestion:** May cause digestive tract disturbances.

**Inhalation:** May cause respiratory tract irritation.

**Chronic:** No data available.

**Carcinogenicity:** Not listed as a carcinogen.

\*Component data recorded from available sources pertaining to individual component CAS number.

#### 12. ECOLOGICAL INFORMATION

**PREPARATION SUMMARY** - Ecological testing has not been completed on the mixture.

#### COMPONENT SUMMARY \*

tetrasodium ethylene diamine tetraacetate CAS# 64-02-8

LC50, 96 hr Bluegill sunfish 490 mg/l

Environmental Fate: Not known

d- limonene CAS# 5989-27-5

LC50, 96 hr fathead minnow 702 mg/l (flow-through)

Environmental Fate: May cause long-term adverse effects on the environment.

\*Component data recorded from available sources pertaining to individual component CAS number.

#### 13. DISPOSAL CONSIDERATIONS

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

#### 14. TRANSPORT INFORMATION

Not regulated for transport.

#### 15. REGULATORY INFORMATION

**EINECS Status:** Ingredients are included in the EINECS/ELINCS/NLP inventories.

### TRITON NON-ACID WASHROOM CLEANER

#### NATIONAL REGULATIONS

648/2004

The surfactants contained in this preparation comply with the biodegradability criteria laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of the detergent manufacturer.

No additional national regulations are known to the supplier.

#### 16. OTHER INFORMATION

##### R (Risk) phrases:

R10 – Flammable

R22 – Harmful if swallowed.

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

R41 – Risk of serious damage to eyes.

R43 – May cause sensitisation by skin contact

R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

##### S (Safety) phrases:

S2 – Keep out of the reach of children.

S24 – Avoid contact with skin.

S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 – After contact with skin, wash immediately with plenty of water.

S37/39 – Wear suitable gloves and eye/face protection.

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

S60 – This material and its container must be disposed of as hazardous waste.

S61 – Avoid release to the environment. Refer to special instructions/safety data sheets.

##### Detergent/Cleaner Labeling (648/2004/EC):

(<5%) Anionic surfactant, Nonionic surfactant, Fragrance

(≥5 - <15%) EDTA

(≥0.01 - <1%) allergenic fragrances - citronellol, d-limonene, alpha-isomethyl ionone, amyl cinnamal, benzyl salicylate, coumarin, geraniol, hydroxy-citronellal, and linalool

##### Abbreviations:

N/A = Not Applicable

N/E = Not Established

N/L = Not Listed

##### Issued by:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation

##### Revision Information:

04/01/2011 – revision Section 12

09/28/2010 – revisions conforming to 1907/2006/EC amendment 453/2010

01/11/2010 – revisions conforming to 1917/2006/EC