



## SAFETY DATA SHEET

Conforms to 1907/2006/EC - (EU) 2015/830

Issued: June 7, 2016

Supersedes: May 27, 2015

**TRITON™**

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 PRODUCT IDENTIFIER

Product Name: Triton Non-Acid Washroom Cleaner

Product Number: 324DTC

#### 1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.

Intended Use: Water based non-acid washroom cleaner concentrate

Uses Advised Against: Other than per labelled use instructions

#### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

##### Manufacturer:

Amano Pioneer Eclipse Corporation

P.O. Box 909

1 Eclipse Road

Sparta, NC 28675

Telephone: 1-336-372-8080

Email: sds@pioneereclipse.com

Internet: www.pioneereclipse.com

#### 1.4 EMERGENCY TELEPHONE NUMBER

**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)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 CLASSIFICATION OF THE MIXTURE (PREPARATION)

This mixture has been classified according to EC 1272/2008.

Eye Damage - Category 1

Aquatic Chronic - Category 3

#### 2.2 LABEL ELEMENTS

Signal Word: DANGER

Hazard pictogram(s):



Hazard Statement(s):

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):

P261 Avoid breathing mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves and eye protection.

P302+352+333+313 IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

P305+351+338 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/doctor if you feel unwell.

P501 Dispose of contents/container in accordance to local, regional, national and international regulations.

#### 2.3 OTHER HAZARDS

EUH208 Contains d-Limonene. May produce an allergic reaction.



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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1/3.2 SUBSTANCES/MIXTURES

Ingredient	EC No.	Weight %	CAS No.	CLP Classification	
				Hazard Class	Hazard Statement(s)*
tetrasodium ethylene diamine tetraacetate	200-573-9	5 - 10	64-02-8	Acute Tox 4 Eye Dam 1	H302 H318
d-Limonene	227-813-5	0.1 - 0.3	5989-27-5	Flam Liq 3 Skin Irrit 2 Skin Sens 1 AquaAcute1 AquaChrc1	H226 H315 H317 H400 H410
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexaamethylindenol[5,6-c]pyran galaxolide	214-946-9	0.1 - 0.3	1222-05-5	AquaAcute1 AquaChrc1	H400 H410

\*See section 16 for the full text of Hazard Statements

### SECTION 4: FIRST AID MEASURES

#### 4.1 DESCRIPTION OF FIRST AID MEASURES

**Eye Contact:** Immediately wash out with water for at least 15 minutes. (If easy to do, remove contact lenses, if worn.) Seek medical attention immediately.

**Skin Contact:** Wash with soap and plenty of water. If irritation develops, seek medical attention.

**Inhalation:** If breathing is difficult, remove to fresh air. If symptoms persist, seek medical attention.

**Ingestion:** If ingested, do not induce vomiting. Seek medical attention.

#### 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

**Eye Contact:** May cause serious eye damage.

**Skin Contact:** May produce an allergic reaction.

**Inhalation:** None expected under normal use.

**Ingestion:** None expected under normal use.

#### 4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically

### SECTION 5: FIRE FIGHTING MEASURES

#### 5.1 EXTINGUISHING MEDIA

In case of fire: use dry chemical, water spray, foam, carbon dioxide.

#### 5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

Hazardous combustion products: CO, CO<sub>2</sub>

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include but not limited to the above mentioned substances.

#### 5.3 ADVICE FOR FIRE FIGHTERS

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection. Fire-fighters should wear clothing conforming to EN469 for chemical incidents. Materials can splatter above 100°C/212°F.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Refer to Section 8 for appropriate personal protective equipment.

#### 6.2 ENVIRONMENTAL PRECAUTIONS

Keep spills and cleaning runoff out of sewers and open bodies of water.



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### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

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.

### 6.4 REFERENCE TO OTHER SECTIONS: Refer to Section 8 of the SDS.

## SECTION 7: HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use in well-ventilated areas.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

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

### 7.3 SPECIFIC END USE(S): No information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

Components do not have established exposure limits.

### 8.2 EXPOSURE CONTROLS

Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Environmental exposure controls: No specific environmental exposure controls known.

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety eyewear is recommended, to avoid chemical splashes and mists. Safety glasses or goggles (EN166).

Hand Protection: Chemical resistant gloves are recommended. (EN374).  
Protective gloves should be selected according to the application and duration of use. Workplace selection should take into consideration handling requirements, physical requirements and exposure to other substances.

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

Respiratory Protection: Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator with multi-purpose combination filter. (E.g. - EN 14387- ABEK)

Respiratory Protection: Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear, red liquid	
Odor:	strong, floral fragrance	
Odor Threshold:	No test data available	
pH:	9.3 (as supplied)	[Method: ASTM E 70]
Melting Point/Freezing Point:	No test data available	
Initial boiling point/boiling range:	No test data available	
Flash Point:	> 93°C	[Method: Closed cup, ASTM D 56]
Evaporation Rate:	No test data available	
Flammability (solid, gas)	Not applicable to liquids	
Upper/lower flammability/explosive limits:	No test data available	



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Vapor Pressure:	No test data available
Vapor Density:	No test data available
Relative Density:	1.06 kg/l @ 20°C [Method: Pycnometer, ASTM D 1475]
Solubility:	miscible in water
Partition Coefficient (n-octanol/water):	No test data available
Auto Ignition temperature:	No test data available
Decomposition Temperature:	No test data available
Viscosity:	< 10 centipoise @ 20°C [Method: Rotational viscometer, Brookfield]
Explosive Properties:	none
Oxidizing properties:	none

### 9.2 OTHER INFORMATION

VOC: 1.45% (as supplied), <0.01% (1:16)

## SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY:	None known
10.2 CHEMICAL STABILITY:	Stable under normal conditions.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS:	None known
10.4 CONDITIONS TO AVOID:	None known
10.5 INCOMPATIBLE MATERIALS:	Do not mix with other chemicals unless stated on the product label.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS:	None known

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

**ACUTE TOXICITY:** Toxicity testing has not been completed on the mixture.  
Based on available data, the classification criteria are not met.

ATE<sub>mix</sub> (oral): > 2000 mg/kg  
ATE<sub>mix</sub> (dermal): > 2000 mg/kg  
ATE<sub>mix</sub> (inhalation): > 20 mg/l (4 hr/vapour)

Component	CAS #	LD50 Oral- Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation- Rat (mg/l)
tetrasodium ethylene diamine tetraacetate	64-02-8	3030	> 5000	not available
d-Limonene	5989-27-5	4400	> 2000	not available

**SKIN CORROSION/IRRITATION:** Based on available data, the classification criteria are not met.

**SERIOUS EYE DAMAGE/IRRITATION:** Causes serious eye damage.  
Classified as Eye Damage - Category 1

**RESPIRATORY OR SKIN SENSITIZATION:** Based on available data, the classification criteria are not met. Mixture contains d-Limonene. May produce an allergic reaction.

**GERM CELL MUTAGENICITY:** Based on available data, the classification criteria are not met.

**CARCINOGENICITY:** Based on available data, the classification criteria are not met.

**REPRODUCTIVE TOXICITY:** Based on available data, the classification criteria are not met.



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**STOT-SINGLE EXPOSURE:** Based on available data, the classification criteria are not met.

**STOT-REPEATED EXPOSURE:** Based on available data, the classification criteria are not met.

**ASPIRATION HAZARD:** Based on available data, the classification criteria are not met.

### 11.2 POTENTIAL ADVERSE HEALTH EFFECTS

Effects and symptoms related to this mixture, if any, are listed in Section 4.2.

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 TOXICITY:** Ecological testing has not been completed on the mixture.

Classified as Aquatic Chronic - Category 3

Component	CAS #	LC50 - 96 hr	LC50 - 48 hr	LC50
tetrasodium ethylene diamine tetraacetate	64-02-8	vertebrate, 490 mg/ml	Daphnia magna, > 100 mg/l	algae, 72 hr, 1.01 mg/l
d-Limonene	5989-27-5	vertebrate, 702 mg/ml	Daphnia magna, 0.577 mg/l	algae, NOEC, 4.08 mg/l
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexaamethylindeno[5,6-c]pyran galaxolide	1222-05-5	vertebrate, 1.36 mg/ml	Daphnia magna, 0.88 mg/l	algae, NOEC, 0.201 mg/l

**12.2 PERSISTENCE AND DEGRADABILITY:** Testing has not been completed on the mixture.

Component	CAS #	Biodegradation
tetrasodium ethylene diamine tetraacetate	64-02-8	not available
d-Limonene	5989-27-5	readily biodegradable
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexaamethylindeno[5,6-c]pyran galaxolide	1222-05-5	not readily biodegradable

**12.3 BIOACCUMULATIVE POTENTIAL:** Testing has not been completed on the mixture.

Component	CAS #	Partition coefficient n-octanol/water (Log Kow)	Bioconcentration factor (BCF)
tetrasodium ethylene diamine tetraacetate	64-02-8	< 3	< 100
d-Limonene	5989-27-5	4.38	1022
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexaamethylindeno[5,6-c]pyran galaxolide	1222-05-5	not available	not available

**12.4 MOBILITY IN SOIL:** Testing has not been completed on the mixture.

Component	CAS #	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
tetrasodium ethylene diamine tetraacetate	64-02-8	not available
d-Limonene	5989-27-5	1984
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexaamethylindeno[5,6-c]pyran galaxolide	1222-05-5	not available

**12.5 RESULTS OF PBT AND vPvB ASSESSMENT:** Not applicable

**12.6 OTHER ADVERSE EFFECTS:** No other adverse effects are known to the supplier.

**12.7 ADDITIONAL INFORMATION:** None



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### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 WASTE TREATMENT METHODS

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

EU Waste Catalogue: 20 01 29\*

### SECTION 14: TRANSPORT INFORMATION

- 14.1 **UN NUMBER:** Not classified as hazardous for transport.
- 14.2 **UN PROPER SHIPPING NAME:** N/A
- 14.3 **TRANSPORT HAZARD CLASSES:** N/A
- 14.4 **PACKING GROUP:** N/A
- 14.5 **ENVIRONMENTAL HAZARDS:** N/A
- 14.6 **SPECIAL PRECAUTIONS FOR USER:** N/A
- 14.7 **TRANSPORT IN BULK ACCORDING TO ANNEX II OF MAPROL73/78 AND THE IBC CODE:** N/A

### SECTION 15: REGULATORY INFORMATION

#### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE MIXTURE

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

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.

- 15.2 **CHEMICAL SAFETY ASSESSMENT:** No information available.

### SECTION 16: OTHER INFORMATION

#### REVISION INFORMATION:

June 7, 2016 - Logo, revisions in accordance with EC 2015/830. Revisions - Section 3, 4, 5, 9, 11, 12

#### ABBREVIATIONS:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

#### DETERGENT/CLEANER LABELING (EC/648/2004):

>5 - <15% - EDTA

<5% - Anionic surfactant, Nonionic surfactant, Fragrance

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

#### FULL TEXT OF HAZARD STATEMENTS:

- H226 Flammable liquid and vapour
- H302 Harmful if swallowed.
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects



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### FULL TEXT OF PRECAUTIONARY STATEMENTS:

No additional precautionary statements.

### ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation