

**SAFETY DATA SHEET**

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

Issued: 8-Apr-2020

Supersedes: 10-Jun-2019

**ENVIROSTAR™ ALL PURPOSE PEROXIDE CLEANER****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 PRODUCT IDENTIFIER**

Product Name: EnviroStar All Purpose Peroxide Cleaner

Product Number: 335

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

Product intended for commercial and industrial use only.

Intended Use: Water based cleaner concentrate.

Uses Advised Against: Other than per labelled 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**

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

Eye Irritation - Category 2

**2.2 LABEL ELEMENTS**

Signal Word: Warning

Hazard pictogram(s):



Hazard Statement(s):

H319 Causes serious eye irritation.

Precautionary Statement(s):

P264 Wash thoroughly after handling.

P280 Wear eye protection.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313 If eye irritation persists: Get medical advice/attention.

**2.3 OTHER HAZARDS**

No other hazards are known to the supplier

**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)* |
| hydrogen peroxide                      | 231-765-0 | 3 - 7    | 7722-84-1 | Acute Tox 4<br>Eye Irrit 2      | H302<br>H332<br>H319 |
| Sodium octane-1-sulphonate monohydrate | 226-195-4 | 1 - 5    | 5324-84-5 | Skin Irrit 2**<br>Eye Irrit 2** | H315**<br>H319**     |

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|                              |           |       |            |               |        |
|------------------------------|-----------|-------|------------|---------------|--------|
| Alcohols, C9-C11, ethoxylate | 614-482-0 | 1 - 5 | 68439-46-3 | Eye Irrit 2** | H319** |
|------------------------------|-----------|-------|------------|---------------|--------|

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

\*\*No harmonized CLP classification assigned. Listed classification sourced from REACH dossier.

**SECTION 4: FIRST AID MEASURES****4.1 DESCRIPTION OF FIRST AID MEASURES**

**Eye Contact:** Rinse with plenty of water. If irritation develops and persists, seek medical attention.  
**Skin Contact:** Wash with plenty of water. If irritation develops and persists, 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:** Can cause eye irritation.  
**Skin Contact:** None expected under normal use.  
**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.

**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. Neutralize spill area. 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 and skin. Wash thoroughly after handling. Use in well-ventilated areas.



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### 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

| Ingredient        | Source   | TWA (8hours) |                   | STEL (Short term) |                   | Note(s)  |
|-------------------|--|--------------|-------------------|-------------------|-------------------|----------|
|                   |  | ppm          | mg/m <sup>3</sup> | ppm               | mg/m <sup>3</sup> |          |
| hydrogen peroxide | ACGIH TLV  | 1            | 1.4               | -                 | -                 |          |
|                   | NO – Forskrift, best.nr. 704                     | 1            | 1.4               | -                 | -                 |          |
|                   | EH40   | 1            | 1.4               | 2                 | 2.8               |          |
|                   | DK - At-Vejledning Stoffer og materialier- C.0.1 | 1            | 1.4               | -                 | -                 |          |
|                   | DFG MAK  | 0.5          | 0.71              | I (1)             |                   | C, MAK-4 |

### 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)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

|  |                           |                                   |
|--|---------------------------|-----------------------------------|
| Appearance:                                | clear, blue liquid        |                                   |
| Odor:                                      | pear fragrance            |                                   |
| Odor Threshold:                            | No test data available    |                                   |
| pH:  | 4.5                       | [Method: ASTM E 70]               |
| 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    |                                   |
| Vapor Pressure:                            | No test data available    |                                   |
| Vapor Density:                             | No test data available    |                                   |
| Relative Density:                          | 1.03 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    |                                   |



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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: 0.16% (as supplied), <0.02% (1:10), <0.01% (1:32), <0.01% (1:64)

## 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.  
 ATE<sub>mix</sub> (oral): > 5000 mg/kg Based on available data, the classification criteria are not met.  
 ATE<sub>mix</sub> (dermal): > 4000 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) | LC <sub>50</sub> Inhalation-Rat (mg/l) |
|------------------------------|------------|-----------------------|------------------------------|--|
| hydrogen peroxide            | 7722-84-1  | 801                   | 4060                         | 2 (4hr)                                |
| Sodium octane-1-sulphonate   | 5324-84-5  | >1560                 | not available                | not available                          |
| Alcohols, C9-C11, ethoxylate | 68439-46-3 | 3488                  | 2000                         | 1.6 (4hr)                              |

**SKIN CORROSION/IRRITATION:** Classified as Eye Irritation - Category 2  
 Causes serious eye irritation.  
**SERIOUS EYE DAMAGE/IRRITATION:** Based on available data, the classification criteria are not met.  
**RESPIRATORY OR SKIN SENSITIZATION:** Based on available data, the classification criteria are not met.  
**GERM CELL MUTAGENICITY:** Based on available data, the classification criteria are not met.  
**CARCINOGENICITY:** Based on available data, the classification criteria are not met.

| Component         | CAS #     | IARC   | MAK   | ACGIH  |
|-------------------|-----------|--------|-------|--------|
| hydrogen peroxide | 7722-84-1 | IARC 3 | MAK 4 | TLV A3 |

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

| Component                  | CAS #     | LC50 - 96 hr            | EC50 -48 hr              | ErC50 - 72 hr            |
|----------------------------|-----------|-------------------------|--------------------------|--------------------------|
| hydrogen peroxide          | 7722-84-1 | vertebrate - 16.4 mg/L  | Daphnia magna - 7.7 mg/L | data not available       |
| Sodium octane-1-sulphonate | 5324-84-5 | vertebrate - > 100 mg/L | Daphnia magna - 421 mg/L | green algae - > 100 mg/l |

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|------------------------------|------------|------------------------|--------------------------|--------------------------|
| Alcohols, C9-C11, ethoxylate | 68439-46-3 | vertebrate - 5-10 mg/L | Daphnia magna -5-10 mg/L | green algae -10-100 mg/l |
|------------------------------|------------|------------------------|--------------------------|--------------------------|

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

| Component                    | CAS #      | Biodegradation        |
|------------------------------|------------|-----------------------|
| hydrogen peroxide            | 7722-84-1  | readily biodegradable |
| Sodium octane-1-sulphonate   | 5324-84-5  | readily biodegradable |
| Alcohols, C9-C11, ethoxylate | 68439-46-3 | 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) |
|------------------------------|------------|---|-------------------------------|
| hydrogen peroxide            | 7722-84-1  | -1.57   | <100                          |
| Sodium octane-1-sulphonate   | 5324-84-5  | data not available                              | data not available            |
| Alcohols, C9-C11, ethoxylate | 68439-46-3 | data not available                              | data not available            |

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

| Component                    | CAS #      | Soil Organic Carbon-Water Partitioning Coefficient (Koc) |
|------------------------------|------------|--|
| hydrogen peroxide            | 7722-84-1  | 0.2  |
| Sodium octane-1-sulphonate   | 5324-84-5  | data not available                                       |
| Alcohols, C9-C11, ethoxylate | 68439-46-3 | data not available                                       |

**12.5 RESULTS OF PBT AND vPvB ASSESSMENT:** Not applicable**12.6 OTHER ADVERSE EFFECTS:** None known**12.7 ADDITIONAL INFORMATION:** Based on available data, product is not classified with environmental hazards.**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**

Product is not classified as hazardous for transport regulations.

**14.1 UN NUMBER:** None**14.2 UN PROPER SHIPPING NAME:** None**14.3 TRANSPORT HAZARD CLASSES:** None**14.4 PACKING GROUP:** None**14.5 ENVIRONMENTAL HAZARDS:** None**14.6 SPECIAL PRECAUTIONS:** None**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.



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#### 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:

8-Apr-20 - New formulation, Revisions §2, 3, 4, 8, 9, 11, 12 & 16

##### ABBREVIATIONS:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed

IARC - International Agency for Research on Cancer

IARC 3 - Unclassifiable as to carcinogenicity in humans

MAK - Federal Republic of Germany Maximum Concentration Values in the Workplace

I (1) - Substances with systemic effects (MAK)

MAK-4 - No significant contribution to human cancer risk is expected, provided the MAK value is observed.

ACGIH - American Conference of Government Industrial Hygienists

ACGIH TLV-A3 - Confirmed animal carcinogen with unknown relevance to humans.

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

<5% - Anionic surfactant, non-ionic surfactant, perfume

<0.01% - d-Limonene allergenic fragrance

##### FULL TEXT OF HAZARD STATEMENTS:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H332 Harmful if inhaled.

##### FULL TEXT OF PRECAUTIONARY STATEMENTS:

Safety data sheet available on request.

##### ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation