



SAFETY DATA SHEET

Conforms to 1907/2006/EC - (EU) 2020/878

Issued: 9-Feb-2023

Supersedes: 15-Dec-2022

ECLIPSE™ BACTERIA & ENZYME CLEANER/DIGESTANT

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

1.1 PRODUCT IDENTIFIER

Product Name: Eclipse Bacteria & Enzyme Cleaner/Digestant

Product Number: 3036

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.

Intended Use: Water based enzyme 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):



Contains: Benzenesulfonic acid, C10-16-alkyl derivs.

Hazard Statement(s):

H319 Causes serious eye irritation.

Precautionary Statement(s):

P264 Wash thoroughly after handling.

P280 Wear protective gloves and eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 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*
Benzenesulfonic acid, C10-16 alkyl derivs	271-528-9	1 - 3	68584-22-5	Eye Irrit 2	H319

*See section 16 for the full text of Hazard Statements



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SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

- Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.. If irritation persists, seek medical attention.
- Skin Contact:** Wash with soap and plenty of water. If irritation persists, seek medical attention.
- Inhalation:** If breathing is difficult, remove subject to fresh air. If symptoms persist, seek medical attention.
- Ingestion:** Call a physician or poison control center. Do not induce vomiting. Seek medical advice.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Some individuals may be sensitive to ingredients in this product.

- Eye Contact:** Can be irritating to eyes.
- 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

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be irritating.

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 suitable 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. 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. Wash thoroughly after handling. Use in well-ventilated areas. Avoid formation of dust and aerosols. Avoid contact with broken skin, mucus membranes and open wounds.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep from freezing. Keep container sealed when not in use. Keep out of reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3 SPECIFIC END USE(S): No information available



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Components do not have established work 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: Personal protective equipment not required with normal use.

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.

Respiratory Protection: No personal protective equipment required with normal use. 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)

Hygiene Measures: Do not eat, drink or smoke when using this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Hazy, colorless
Odour:	Pleasant
Melting point/Freezing point:	No test data available
Boiling point/Boiling range:	No test data available
Flammability:	Does not maintain combustion.
Lower and upper explosion limits:	No test data available
Flash Point:	> 93°C [Method: Closed cup, ASTM D 56]
Auto-ignition temperature:	No test data available
Decomposition temperature:	No test data available
pH:	8.4 [Method: ASTM E 70]
Viscosity:	<10 centipoise @ 20°C [Method: Rotational viscometer, Brookfield]
Solubility:	Water, completely soluble
Partition coefficient n-octanol/water [log Pow]:	No test data available
Vapor pressure:	No test data available
Density:	1.0 kg/L @ 20°C [Method: Pycnometer, ASTM D 1475]
Relative vapor density:	No test data available
Particle characteristics:	Not applicable to liquids

9.2 OTHER INFORMATION

9.2.1 - Information with regard to physical hazard class:

Oxidising properties: Not established

Explosive properties: Not established

9.2.2 - Other safety characteristics:

Relative evaporation rate (butylacetate=1): No test data available

VOC: 0%



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SECTION 10: STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** Stable under normal conditions.
- 10.2 CHEMICAL STABILITY:** Stable under normal conditions.
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** None known under normal conditions.
- 10.4 CONDITIONS TO AVOID:** None known under normal conditions.
- 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 HAZARD CLASSES AS DEFINED IN REGULATION (EC) 1272/2008

- ACUTE TOXICITY:** Toxicity testing has not been completed on the mixture.
- ATE_{mix} (oral):** > 2000 mg/kg Not classified as Acutely Toxic (oral).
- ATE_{mix} (dermal):** > 2000 mg/kg Not classified as Acutely Toxic (dermal).
- ATE_{mix} (inhalation):** > 20 mg/l (4 hr/vapour) Not classified as Acutely Toxic (inhalation).

Component	CAS #	LD50 Oral	LD50 Dermal	LC50 Inhalation (Dust/Mist)
Benzenesulfonic acid, C10-16 alkyl derivs	68584-22-5	300 - 2000 mg/kg	data not available	data not available

- SKIN CORROSION/IRRITATION:** Based on available data, the classification criteria are not met.
- SERIOUS EYE DAMAGE/IRRITATION:** Classified as Eye Irritation - Category 2
Causes serious eye irritation.
- 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.
- 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 INFORMATION ON OTHER HAZARDS

- 11.2.1 Endocrine disrupting properties:** None known
- 11.2.2 Other information:** No additional information available

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 TOXICITY:** Ecological testing has not been completed on the mixture.
Based on available data, this product is not classified as hazardous to the environment.
- 12.2 PERSISTANCE AND DEGRADABILITY:** Testing has not been completed on the mixture.
- 12.3 BIOACCUMULATIVE POTENTIAL:** Testing has not been completed on the mixture.
- 12.4 MOBILITY IN SOIL:** Testing has not been completed on the mixture.
- 12.5 RESULTS OF PBT AND vPvB ASSESSMENT:** Not applicable
- 12.6 ENDOCRINE DISRUPTING PROPERTIES:** None known
- 12.7 OTHER ADVERSE EFFECTS:** No additional information available.



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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* - Detergents containing hazardous substances.

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 **MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS** Product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION

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

Does not contain substances or labelled product uses subject to REACH Annex XVII restriction.
See Annex XVII of Regulation (EC) 1907/2006 for Designation of the substances and Conditions of restriction.
Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.
Contains no substance subject to EU 649/2012.
Contains no substance subject to EU 2019/1021.
No additional national regulations are known to the supplier.

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

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

9-Feb-2023 - Product name

ABBREVIATIONS:

ATE	Acute Toxicity Estimate
CAS No.	Chemical Abstract Service Number
CLP	Classification Labeling Packaging Regulation (EC) 1272/2008
EC50	Median Effective Concentration.
EC No.	European Union Identification Number
IMO	International Maritime Organization
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation, (EC) 1907/2006
SDS	Safety Data Sheet
STEL	Short-Term Exposure Limit
TWA	Time Weighted Average
UFI	Unique Formula Identifier
UN	United Nations
VOC	Volatile Organic Compound
vPvB	Very Persistent and Very Bioaccumulative

CLASSIFICATION ACCORDING TO EC 1272/2008:

Classification and procedure used to derive the classification for mixture:

Eye Irritation - Category 2	H319	Bridging principle, professional judgement
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FULL TEXT OF HAZARD STATEMENTS:

No additional hazard statements.

FULL TEXT OF PRECAUTIONARY STATEMENTS:

Safety data sheet available on request.

ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation

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