

**SAFETY DATA SHEET**

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

Issued: 7 Oct 2022

Supersedes: 24 July 2020

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

Product Name: Eclipse Neutral All Purpose Cleaner Product Number: 301L5
UFI: NXXV-2UDH-F004-CU13

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.
Intended Use: Water-based floor cleaner concentrate
Uses Advised Against: Other than per labelled instructions.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

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.
Classification: Eye Damage/Irritation - Category 2
Skin Sensitisation - Category 1

2.2 LABEL ELEMENTS

Signal Word: Warning

Hazard pictogram:



Contains: Benzisothiazolinone, Methylisothiazolinone

Hazard Statements:

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary Statements:

P261 Avoid breathing vapours.
P280 Wear protective gloves and eye protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
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. | REACH-No. | CLP Classification | |
|------------|--------|----------|---------|-----------|--------------------|----------------------|
| | | | | | Hazard Class | Hazard Statement(s)* |
| | | | | | | |



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| | | | | | | |
|--------------------------------------|-----------|-------------|------------|--------------------------|---|--|
| Ethanolamine Dodecylbenzenesulfonate | 248-024-2 | 1 - < 5 | 26836-07-7 | Ionic Mixture | Skin Irrit 2 Eye Dam 1 AquaChr 3 | H315 H318 H412 |
| 2-Aminoethanol | 205-483-3 | ≥ 0.1 - < 1 | 141-43-5 | 01- 2119486455 -28 | AcuteTox 4 AcuteTox 4 Skin Corr1A Eye Dam 1 AquaChr3 | H302, H312 H332 H314 H318 H412 |
| 1,2-Benzisothiazol-3(2H)-one | 220-120-9 | < 0.1 | 2634-33-5 | 01- 2120761540 -60 | AcuteTox 4 AcuteTox2 Skin Irrit 2 Eye Dam 1 Skin Sens 1 AquaAcute1 | H302, H312 H330 H315 H318 H317 H400 |
| 2-Methylisothiazol-3(2H)-one | 220-293-6 | < 0.1 | 2682-20-4 | 01- 2120764690 -50 | AcuteTox 3 AcuteTox 2 Skin Corr 1B Skin Sens 1A EyeDam 1 AqAcute1 AquaChr 1 | H301, H311 H330 H314 H317 H318 H400 H410 |

*See section 16 for the full text of (EU) Hazard Statements

| Ingredient | EC No. | CAS No. | Specific Concentration Limits M-Factors |
|------------------------------|-----------|-----------|---|
| 2-Aminoethanol | 205-483-3 | 141-43-5 | (5 ≤ C ≤ 100) STOT SE 3, H335 |
| 1,2-Benzisothiazol-3(2H)-one | 220-120-9 | 2634-33-5 | (0.05 ≤ C ≤ 100) Skin Sens 1, H317 |
| 2-Methylisothiazol-3(2H)-one | 220-293-6 | 2682-20-4 | (0.0015 ≤ C ≤ 100) Skin Sens 1A, H317 Aquatic Acute 1, H400 (M-10) |

SECTION 4: FIRST AID MEASURES

4.1 DECIPTION OF FIRST AID MEASURES

- Eye Contact:** In case of eye contact, immediately rinse with clean water for 10-15 minutes. If eye irritation persists: Get medical advice/attention.
- Skin Contact:** Wash skin with mild soap and water.
- Inhalation:** If experiencing respiratory symptoms: Allow affected person to breathe fresh air.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Give water to drink. Seek medical advice immediately and show this container or label.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Not expected to produce significant adverse health effects when recommended use instructions are followed.

- Eye Contact:** May cause severe irritation.
- Skin Contact:** Not expected to present a significant skin hazard.
- Inhalation:** None expected under normal use.
- Ingestion:** May cause irritation of the linings of the mouth, throat and gastrointestinal tract.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

In case of any doubt or when irritation occurs or persists seek medical advice. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

All known extinguishants can be used.

5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

The product itself does not maintain combustion.

5.3 ADVICE FOR FIRE FIGHTERS

Use fire fighting measures that suit the environment. 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.

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Material may present a serious slipping hazard if spilled on a hard surface.

6.2 ENVIRONMENTAL PRECAUTIONS

Keep spills and cleaning runoff out of sewers and public waters.

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 - Personal precautions

Refer to Section 7 of the SDS - Precautions in handling and storage

Refer to Section 13 of the SDS - Waste disposal recommendations

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.

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**

Workplace Exposure Limits:

| Ingredient | Source | TWA (8hours) | | STEL (Short term) | | Note(s) |
|-----------------------------------|--|--------------|-------------------|-------------------|-------------------|---------|
| | | ppm | mg/m ³ | ppm | mg/m ³ | |
| 2-Aminoethanol (CAS# 141-43-5) | ACGIH TLV | 3 | 7.5 | 6 | 15 | - |
| | DE (TRGS 900) | - | - | 2 | 5.1 | H,Y,Sh |
| | DK - At-Vejledning Stoffer og materialier- C.0.1 | 1 | 2.5 | - | - | H |
| | EU (2006/15/EC) | 1 | 2.5 | 3 | 7.6 | Skin |
| | NO Administrative Norm | 1 | 2.5 | - | - | H |
| | EH40 | 1 | 2.5 | 3 | 7.6 | Skin |

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: Wear eye protection.

Safety glasses or goggles (EN166).

Hand Protection: Chemical resistant gloves are recommended (EN 374).

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.



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- Respiratory Protection:** Under normal use of this product, respiratory protection not necessary. 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: | Clear, light pink |
| Odour: | Lemon |
| Melting point/Freezing point: | ± -5 °C |
| Boiling point/Boiling range: | ± 99.3°C |
| Flammability: | Does not maintain combustion. |
| Lower and upper explosion limits: | No test data available |
| Flash Point: | > 93°C |
| Auto-ignition temperature: | No test data available |
| Decomposition temperature: | No test data available |
| pH: | 8.5 - 10 |
| Kinematic viscosity: | 200 - 300 mm ² /s |
| Solubility: | Water, completely soluble |
| Partition coefficient n-octanol/water [log Pow]: | -1.21 (calculated value) |
| Vapor pressure: | 23.5 hPa |
| Density: | 1.014 g/cm ³ |
| 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): | < 1 |
| VOC: | < 30% |

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 |
| 10.4 CONDITIONS TO AVOID: | None known |
| 10.5 INCOMPATIBLE MATERIALS: | None known |
| 10.6 HAZARDOUS DECOMPOSITION PRODUCTS: | None under normal conditions. |

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON HAZARD CLASSES AS DEFINED BY REGULATION (EC) 1272/2008

| | |
|----------------------------------|---|
| ACUTE TOXICITY: | Toxicity testing has not been completed on the mixture. |
| ATE _{mix} (oral): | > 2000 mg/kg |
| ATE _{mix} (dermal): | > 2000 mg/kg |
| ATE _{mix} (inhalation): | > 20 mg/l (4 hr/vapour) |

Based on criteria 3.1.3 from (EC) 1272/2008, the Acute Toxicity classification criteria are not met. Components details are given below:



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| Component | CAS # | LD50 Oral | LD50 Dermal | LC50 Inhalation (Dust/Mist) |
|--------------------------------------|------------|--------------|--------------|-----------------------------|
| Ethanolamine Dodecylbenzenesulfonate | 26836-07-7 | > 5000 mg/kg | > 4400 mg/kg | data not available |
| 2-Aminoethanol | 141-43-5 | 1720 mg/kg | 1500 mg/kg | data not available |
| 1,2-Benzisothiazol-3(2H)-one | 2634-33-5 | 1020 mg/kg | 4115 mg/kg | 100 mg/l/4h |

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: Classified as Skin sensitisation - Category 1.
May cause an allergic skin 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.

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 criteria 4.1.3 of (EC) 1272/2008 this product is not dangerous to the environment.
Components details are given below:

| Component | CAS # | LC50 fish (96 h) | EC50 Daphnia (48 h) | EC50 algae (72 h) |
|--------------------------------------|------------|------------------|---------------------|--------------------|
| Ethanolamine Dodecylbenzenesulfonate | 26836-07-7 | 1 mg/l | 12.2 - 17 mg/l | data not available |
| 2-Aminoethanol | 141-43-5 | 349 mg/l | 65 mg/l | 2.5 mg/l |
| 2-Methylisothiazol-3(2H)-one | 2682-20-4 | 4.77 mg/kg | 0.934 mg/l | 0.0725 mg/l |
| 1,2-Benzisothiazol-3(2H)-one | 2634-33-5 | 2.18 mg/kg | 2.94 mg/kg | 0.11 mg/l |

12.2 PERSISTANCE AND DEGRADABILITY:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as 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 a detergent manufacturer.

| Component | CAS # | Biodegradability |
|----------------|----------|-----------------------------|
| 2-Aminoethanol | 141-43-5 | > 90% Readily biodegradable |

12.3 BIOACCUMULATIVE POTENTIAL:

| Product / Component | CAS # | Partition coefficient n-octanol/water |
|--------------------------------------|------------|---------------------------------------|
| Eclipse Neutral All Purpose Cleaner | mixture | -1.21 (calculated) |
| Ethanolamine Dodecylbenzenesulfonate | 26836-07-7 | 6.11 |
| 2-Aminoethanol | 141-43-5 | -2.3 -1.31 |
| 2-Methylisothiazol-3(2H)-one | 2682-20-4 | -0.32 |
| 1,2-Benzisothiazol-3(2H)-one | 2634-33-5 | 0.7 |

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

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| | |
|-------------------------------------|---|
| Eclipse Neutral All Purpose Cleaner | This mixture does not meet the PBT criteria of REACH regulation, Annex XIII. This mixture does not meet vPvB criteria of REACH regulation, Annex XIII. |
|-------------------------------------|---|

12.6 ENDOCRINE DISRUPTING PROPERTIES: None known**12.7 OTHER ADVERSE EFFECTS:** No additional information available.**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

Detergent Regulation EC 648/2004: Labeling of contents

| Component | % |
|--|------|
| Anionic surfactants, non-ionic surfactants, polycarboxylates | < 5% |
| Benzisothiazolinone | |
| Methylisothiazolinone | |
| Perfumes | |
| d-Limonene | |

15.2 CHEMICAL SAFETY ASSESSMENT:

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**REVISION INFORMATION:**

7 Oct 2022 - Revisions per (EU) 2020/878; § 1, 2, 3, 5, 7, 8, 9, 11, 12, 13, 14, 15 & 16

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 |

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| | |
|-------|---|
| 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 Irrit 2 | H319 | Calculation method |
| Skin Sens 1 | H317 | Calculation method |

FULL TEXT OF HAZARD STATEMENTS AND EUH-STATEMENTS:

| | |
|------|---|
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H330 | Fatal if inhaled. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

FULL TEXT OF PRECAUTIONARY STATEMENTS:

| | |
|-----------|--|
| EUH210 | Safety data sheet available on request. |
| P264 | Wash hands thoroughly after handling. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P280 | Wear eye protection. |
| P321 | Specific treatment (see the label). |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P501 | Dispose of contents/container in accordance with local, regional and national regulations. |

ISSUED BY:

Chemical/R&D Department
Amano Pioneer Eclipse Corporation

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