



SAFETY DATA SHEET

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

Issued: 13 Dec. 2022

Supersedes: 20 Sept. 2016

ECLIPSE™ LOW ODOR STRIPPER

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

1.1 PRODUCT IDENTIFIER

Product Name: Eclipse Low Odor Stripper Product Number: 510
UFI: CTD1-W0D9-300U-1DRK

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.
Intended Use: Floor finish remover 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.
Skin Corrosion - Category 1
Eye Damage - Category 1
Specific Target Organ Toxicity (Single Exposure) - Category 3

2.2 LABEL ELEMENTS

Signal Word: Danger

Hazard pictogram(s):



Contains: Benzyl alcohol, Ethanolamine

Hazard Statement(s):

H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary Statement(s):

P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves and eye protection/face protection.
P310 Immediately call a POISON CENTER/doctor if you feel unwell.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 OTHER HAZARDS No other hazards are known to the supplier

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ECLIPSE™ LOW ODOR STRIPPER**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)* |
| Benzyl alcohol | 202-859-9 | 10 - 20 | 100-51-6 | Acute Tox 4 | H302,H332 |
| Ethanolamine | 205-483-3 | 10 - 18 | 141-43-5 | Acute Tox 4 Skin Corr 1B STOT SE 3 | H302,H312,H332 H314 H335 |

*See section 16 for the full text of R phrases and Hazard Statements

| Ingredient | EC No. | CAS No. | Specific Concentration Limits |
|--------------|-----------|----------|-------------------------------|
| Ethanolamine | 205-483-3 | 141-43-5 | (5 ≤C≤ 100) STOT SE 3, H335 |

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:** Immediately wash with plenty of water for at least 15 minutes. (Remove any contaminated clothing and shoes.) Seek medical attention immediately.
- Inhalation:** If breathing is difficult: Remove to fresh air. Seek medical attention immediately.
- Ingestion:** Call a physician or poison control center immediately. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Eye Contact:** Causes serious eye damage. May cause permanent damage.
- Skin Contact:** Causes skin burns. May cause permanent damage.
- Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract.
- Ingestion:** May cause burns to mouth, throat and stomach.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No information available.

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, CO₂

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. Corrosive material.

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. 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, 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.

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 | |
| Ethanolamine (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/face protection.
Safety glasses or goggles (EN166).

Hand Protection: Wear chemical resistant gloves. (EN374).
Protective index 6, Breakthrough time > 480 mins. (E.g. - nitrile gloves, 0.4 mm thickness)
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)

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



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Physical state: | Liquid |
| Colour: | Clear, red |
| Odour: | Low odor. No added fragrance. |
| 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: | 12.5 (as supplied) [Method: ASTM E 70] |
| Kinematic viscosity: | < 5 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 |
| Density: | 1.04 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 content: | 15%(as supplied), 2.2%(1:6), 1.7%(1:8), 1.4%(1:10) |

SECTION 10: STABILITY AND REACTIVITY

| | |
|--|--|
| 10.1 REACTIVITY: | Stable under normal conditions. Reacts exothermically with acids: release of heat. |
| 10.2 CHEMICAL STABILITY: | Stable under normal conditions. |
| 10.3 POSSIBILITY OF HAZARDOUS REACTIONS: | None under normal conditions. Reacts exothermically with acids: release of heat. Care should be used if diluting; product should be slowly added to water. |
| 10.4 CONDITIONS TO AVOID: | None known under normal conditions. |
| 10.5 INCOMPATIBLE MATERIALS: | Strong acids, bases and oxidizing agents. 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. Based on available data, the classification criteria are not met. | |
| 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). |



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| Component | CAS # | LD50 Oral | LD50 Dermal | LC50 Inhalation (Dust/Mist) |
|----------------|----------|------------|-------------|-----------------------------|
| Benzyl alcohol | 100-51-6 | 1230 mg/kg | 2000 mg/kg | 8.9 mg/L, (4hr) |
| Ethanolamine | 141-43-5 | 1515 mg/kg | 2504 mg/kg | >1.3 mg/L, (4hr) |

- SKIN CORROSION/IRRITATION:** Causes severe skin burns.
Classified as Skin Corrosive - Category 1
- 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.
- 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:** Classified as STOT-SE - Category 3
May cause respiratory irritation.
- 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:** 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.
Based on criteria 4.1.3 of (EC) 1272/2008 this product is not dangerous to the environment.
Component details are given below:

| Component | CAS # | LC50 fish (96 h) | EC50 Daphnia (48 h) | EC50 algae (72 h) |
|----------------|----------|------------------|---------------------|-------------------|
| Benzyl alcohol | 100-51-6 | 770 mg/ml | 400 mg/l | 640 mg/l |
| Ethanolamine | 141-43-5 | 125-2010 mg/ml | 33-93 mg/l | 2.5 mg/l |

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

| Component | CAS # | Biodegradation |
|----------------|----------|-----------------------|
| Benzyl alcohol | 100-51-6 | readily biodegradable |
| Ethanolamine | 141-43-5 | 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) |
|----------------|----------|---|-------------------------------|
| Benzyl alcohol | 100-51-6 | data not available | <100 |
| Ethanolamine | 141-43-5 | -1.91 | < 100 |

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

| Component | CAS # | Soil Organic Carbon-Water Partitioning Coefficient (Koc) |
|----------------|----------|--|
| Benzyl alcohol | 100-51-6 | not available |
| Ethanolamine | 141-43-5 | 1.17 |

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



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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 15* - alkalines

SECTION 14: TRANSPORT INFORMATION

14.1 UN NUMBER: UN1760

14.2 UN PROPER SHIPPING NAME: Corrosive liquid, n.o.s. (ethanolamine)

14.3 TRANSPORT HAZARD CLASSES: 8

14.4 PACKING GROUP: III

14.5 ENVIRONMENTAL HAZARDS: N/A

14.6 SPECIAL PRECAUTIONS FOR USER:

Package volumes < 5 L are shipped as Limited Quantity; as permitted by hazard class and quantity limits.

IMDG

Emergency Schedules (EmS): Fire F-A, Spillage S-B

Stowage and Segregation: Category A. Clear of living quarters.

Marine Pollutant: None

ADR/RID

Class: 8

Item Number: 80

Classification Code: C9

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

15.2 CHEMICAL SAFETY ASSESSMENT: No information available.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

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

ABBREVIATIONS:

| | |
|---------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| 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 |



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| | |
|-------|---|
| 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 mixtures according to Regulation (EC) 1272/2008: | | |
|---|------|--------------------|
| Skin Corrosion - Category 1 | H314 | Calculation method |
| Eye Damage - Category 1 | H318 | Calculation method |
| Specific Target Organ Toxicity (Single Exposure) - Category 3 | H335 | Calculation method |

FULL TEXT OF HAZARD STATEMENTS:

| | |
|------|--|
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |

FULL TEXT OF PRECAUTIONARY STATEMENTS:

| | |
|-----------|---|
| P264 | Wash thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P321 | Specific treatment (see ... on this label). |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P363 | Wash contaminated clothing before reuse. |
| P403+P233 | Store in well ventilated place. Keep container tightly closed. |
| P405 | Store locked up. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

ISSUED BY:

Chemical/R&D Department
Amano Pioneer Eclipse Corporation

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