



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

Issued: 19 April 2024 Supersedes: 6 Mar 2024

ECLIPSE™ HD DEGREASER

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

1.1 PRODUCT IDENTIFIER

Product Name: Eclipse HD Degreaser Product Number: 396L5

UFI: 45PV-5DSQ-4C0D-ENDA

1.2 RELEVENT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.

Intended Use: Water-based heavy duty degreaser 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: Skin Corrosion - Category 1

Eye Damage - Category 1

2.2 LABEL ELEMENTS

Signal Word: Danger

Hazard pictogram:

Contains: Sodium metasilicate, Sodium hydroxide, C9-11 Pareth-6, Ethanolamine dodecylbenzenesulfonate

Hazard Statements:

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Precautionary Statements:

P260 Do not breathe mist.

P280 Wear protective gloves, eye protection, face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or

shower.

P304+340 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.

P310 Immediately call a POISON CENTER or doctor.

2.3 OTHER HAZARDS No other hazards are known to the supplier

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2 SUBSTANCES/MIXTURES





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

Issued: 19 April 2024 Supersedes: 6 Mar 2024

ECLIPSE™ HD DEGREASER

| | | | | | CLP Classification | |
|--|-----------|----------|-------------|--------------------------|--|--|
| Ingredient | EC No. | Weight % | CAS No. | REACH No. | Hazard Class | Hazard Statement(s)* |
| Diethylene glycol monobutyl ether | 203-961-6 | 5 - < 10 | 112-34-5 | 01- 2119475104- 44 | Eye Irrit 2 | H319 |
| Sodium carbonate | 207-838-8 | 1 - < 5 | 497-19-8 | 01- 2119485498- 19 | Eye Irrit 2 | H319 |
| Alcohols, C9-11, ethoxylated | | 1 - < 5 | 68439-46-3 | polymer exempted | Acute Tox 4 Eye Dam 1 | H302 H318 |
| Disodium dioxido(oxo)silane pentahydrate | 229-912-9 | 1 - < 5 | 10213-79-3 | 01- 2119449811- 37 | Skin Corr 1B STOT SE3 | H314 H335 |
| Sodium cumenesulfonate | 239-854-6 | 1 - < 5 | 15763-76-5 | 01- 2119489411- 37 | Eye Irrit 2 | H319 |
| Potassium 4-isopropylbenzenesulphonate | 629-764-9 | 1 - < 5 | 164524-02-1 | 01- 2119489427- 24 | Eye Irrit 2 | H319 |
| Sodium hydroxide | 215-185-5 | 1 - < 5 | 1310-73-2 | 01- 2119457892- 27 | Met Corr 1 Skin Corr 1A | H290 H314 |
| Ethanolamine 2-dodecylbenzenesulfonate | 248-024-2 | 1 - < 5 | 26836-07-7 | ionic mixture | Skin Irrit 2 Eye Dam 1 AquaChron 3 | H315 H318 H412 |
| 2-Aminoethanol | 205-483-3 | < 0.1 | 141-43-5 | 01- 2119486455- 28 | Acute Tox 4 Skin Corr 1A Eye Dam 1 AquaChron3 | H302,H312,H332 H314 H318 H412 |
| Acetic acid | 200-580-7 | < 0.1 | 64-19-7 | 01- 2119475328- 30 | FlamLiq 3 SkinCorr 1A | H226 H314 |

^{*}See section 16 for the full text of Hazard Statements

| Ingredient | EC No. | CAS No. | Specific Concentration Limits |
|------------------|-----------|-----------|--|
| Sodium hydroxide | 215-185-5 | 1310-73-2 | (0.5 ≤C< 2) Eye Irrit 2 (H319), Skin Irrit 2 (H315) (2 ≤C< 5) Skin Corr 1B (H314) (5 ≤C< 100) Skin Corr 1A (H314) |
| 2-Aminoethanol | 205-483-3 | 141-43-5 | (5 ≤C≤ 100) STOT SE 3, H335 |
| Acetic acid | 200-580-7 | | (10 ≤C< 25) Eye Irrit 2 (H319), Skin Irrit 2 (H315) (25 ≤C< 90) Skin Corr 1B (H314) (90 ≤C< 100) Skin Corr 1A (H314) |

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. Get medical advice/attention.

Skin Contact: Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin

irritation occurs: Get medical advice/attention.

Inhalation: If breathing is difficult: Remove to fresh air. Seek medical attention immediately.

Ingestion: Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Seek medical advice immediately.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: Causes serious eye damage.
Skin Contact: Causes severe skin burns.

Inhalation: May cause irritation to the respiratory tract.

Ingestion: May cause irritation of the linings of the mouth, throat and gastrointestinal tract.





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

Issued: 19 April 2024 Supersedes: 6 Mar 2024

ECLIPSE™ HD DEGREASER

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

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. Corrosive material. Use fire fighting measures that suit the environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Material spilled on hard surface can present a serious slipping/falling hazard.

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 - 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, 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. Store in original container.

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) |
|---|---|--------------|-------------------|-------------------|-------------------|----------------|
| Ingredient | Source | ppm | mg/m ³ | ppm | mg/m ³ | Note(3) |
| | ACGIH TLV | 10 | 67.5 | - | 1 | IFV |
| | DE (TRGS 900) | - | 1 | 10 | 67 | I (1.5), Y, 11 |
| Diethylene glycol monobutyl ether (CAS# 112-34-5) | DK - At-Vejledning Stoffer og materialier- C.0.1 | 10 | 67.5 | , | 1 | EH |
| | EU (2006/15/EC) | 10 | 67.5 | 15 | 101.2 | - |
| | NO – Forskrift, best.nr. 704 | - | 1 | 10 | 68 | - |
| | EH40 | 10 | 67.5 | 15 | 101.2 | - |



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

Issued: 19 April 2024 Supersedes: 6 Mar 2024

ECLIPSE™ HD DEGREASER

| Ingredient | Source | TWA (8hours) | | STEL (Short term) | | Note(s) |
|------------------|---|--------------|-------------------|-------------------|-------------------|---------|
| ingledent | Source | ppm | mg/m ³ | ppm | mg/m ³ | Note(s) |
| | ACGIH TLV | ı | 1 | - | 2 | Ceiling |
| Sodium hydroxide | DK - At-Vejledning Stoffer og materialier- C.0.1 | 1 | 1 | - | 2 | L |
| (CAS# 1310-73-2) | EU (2000/39/EC) | ı | 1 | - | 2 | T |
| | NO – Forskrift, best.nr. 704 | 1 | - | - | 2 | T |
| | EH40 | ı | 1 | - | 2 | |

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

| Ingredient | Source | TWA (8hours) | | STEL (Short term) | | Note(s) |
|-------------------------------|---|--------------|-------|-------------------|-------|---------|
| ingredient | Source | ppm | mg/m³ | ppm | mg/m³ | Note(s) |
| | ACGIH TLV | 10 | 25 | 15 | 37 | - |
| | DE (TRGS 900) | - | - | 10 | 25 | 2(I), Y |
| Acetic Acid (CAS# 64-19-7) | DK - At-Vejledning Stoffer og materialier- C.0.1 | 10 | 25 | - | 1 | E |
| , , | EU (2017/164/EU) | 10 | 25 | 20 | 50 | - |
| | NO – Forskrift, best.nr. 704 | - | - | 10 | 25 | * |

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

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. (EN374).

Long-term or submersion protection - Use nitrile gloves ($\geq 0.31 \text{ mm}$ thickness) for a breakthrough

time up to 480 minutes.

Short-term(≤ 30 minutes) or splash protection - Use nitrile gloves (≥ 0.12 mm thickness) for a

breakthrough time of at least 30 minutes.

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: Respiratory protection not necessary with normal use of the product. Respiratory protection should

be worn when there is a potential of inadequate ventilation.

Other information: Do not eat, drink, or smoke when using this product. Avoid contact with skin and eyes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Colour:

Odour:

Perfumed

Melting point/Freezing point:

Boiling point/Boiling range:

Liquid

Dark violet

Perfumed

< -10 °C



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

Issued: 19 April 2024 Supersedes: 6 Mar 2024

ECLIPSE™ HD DEGREASER

Flammability: Does not maintain combustion.

Lower and upper explosion limits: No test data available

Flash Point: > 70°C

Auto-ignition temperature: No test data available Decomposition temperature: No test data available

pH: 12 - 14 Kinematic viscosity: $< 9.5 \text{ mm}^2/\text{s}$

Solubility: Water, completely soluble
Partition coefficient n-octanol/water [log Pow]: -0.61 (calculated value)
Vapor pressure: No test data available

Density: 1.06 g/cm³

Relative vapor density:

Particle characteristics:

No test data available

Not applicable to liquids

9.2 OTHER INFORMATION

9.2.1 - Information with regard to physical hazard class:

Oxidising properties:

Explosive properties:

Not established

Not established

9.2.2 - Other safety characteristics:

Relative evaporation rate (butylacetate=1): < 1 VOC: < 30%

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY: 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.

10.4 CONDITIONS TO AVOID:Do not mix with other chemicals unless stated on the product label.

10.5 INCOMPATIBLE MATERIALS: Acids.

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, Acute Toxicity classification criteria are not met.

Components details are given below:

| Component | CAS# | LD50 Oral | LD50 Dermal | LC50 Inhalation (Dust/Mist) |
|---|-------------|-------------------|--------------------|--------------------------------|
| Diethylene glycol monobutyl ether | 112-34-5 | 5660 mg/kg | 2764 mg/kg | > 196 mg/L (4hr) |
| Sodium carbonate | 497-19-8 | 2800 mg/kg | > 2000 mg/kg | 2.3 mg/L (2hr) |
| Disodium dioxido(oxo)silane pentahydrate | 10213-79-3 | 1152 - 1349 mg/kg | > 5000 mg/kg | data not available |
| Potassium 4-isopropylbenzenesulphonate | 164524-02-1 | > 2000 mg/kg | 2000 mg/kg | > 5mg/L (232 min) |
| Sodium cumenesulfonate | 15763-76-5 | > 2000 mg/kg | 2000 mg/kg | > 5mg/L (232 min) |
| Sodium hydroxide | 1310-73-2 | > 191 mg/kg | data not available | data not available |
| 2-Ethanolamine 2- dodecylbenzenesulonate | 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 |
| Acetic Acid | 64-19-7 | 3310 mg/kg | 1060 mg/kg | > 40 mg/L (4 hr) |



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

Issued: 19 April 2024 Supersedes: 6 Mar 2024

ECLIPSE™ HD DEGREASER

SKIN CORROSION/IRRITATION: Classified as Skin Corrosive - Category 1

Causes severe skin burns.

SERIOUS EYE DAMAGE/IRRITATION: Classified as Eye Damage - Category 1

Causes serious eye damage.

RESPIRATORY OR SKIN SENSITIZATION:

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

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

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

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

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

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

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

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

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

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

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

11.2 INFORMATION ON OTHER HAZARDS

11.2.1 Endocrine disrupting properties:

This mixture does not contain substances included in the Isited established in accordance with REACH for having endocrine disrupting properties, or substances are not identified as having endocrine disrupting properties in accordance with EU 2017/2100 or EU 2018/605 at a concentration greater tha 0.1%

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.

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

| Component | CAS# | LC50 fish (96 h) | EC50 Daphnia (48 h) | EC50 algae (72 h) |
|--|-------------|---------------------|------------------------|----------------------|
| Diethylene glycol monobutyl ether | 112-34-5 | 1300 mg/ml | > 1000 mg/l | > 100mg/l |
| Sodium carbonate | 497-19-8 | > 300 mg/ml | > 200 mg/l | data not available |
| Alcohols, C9-C11, ethoxylated | 68439-46-3 | 5-7 mg/l | 5.3 mg/l | 1.4 - 4.7 mg/l |
| Disodium dioxido(oxo)silane pentahydrate | 10213-79-3 | 210 mg/l | > 500 mg/l | 207 mg/l |
| Potassium 4-isopropylbenzenesulphonate | 164524-02-1 | > 100 mg/ml | 1000 mg/l | 230 mg/l |
| Sodium cumenesulfonate | 15763-76-5 | > 100 mg/ml | 1000 mg/l | 230 mg/l |
| Sodium hydroxide | 1310-73-2 | 35 mg/l | 40.4 mg/l | data not available |
| 2-Ethanolamine 2- 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 |
| Acetic Acid | 64-19-7 | 300 mg/l | 300 mg/l | 300 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# | Biodegradation |
|--|-------------|-----------------------------|
| Diethylene glycol monobutyl ether | 112-34-5 | readily biodegradable |
| Sodium carbonate | 497-19-8 | inorganic substance |
| Alcohols, C9-C11, ethoxylated | 68439-46-3 | readily biodegradable |
| Potassium 4-isopropylbenzenesulphonate | 164524-02-1 | readily biodegradable |
| Sodium cumenesulfonate | 15763-76-5 | readily biodegradable |
| 2-Aminoethanol | 141-43-5 | > 90% readily biodegradable |
| Acetic Acid | 64-19-7 | readily biodegradable |



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

Issued: 19 April 2024 Supersedes: 6 Mar 2024

ECLIPSE™ HD DEGREASER

12.3 BIOACCUMULATIVE POTENTIAL:

| Product / Component | CAS# | Partition coefficient n- octanol/water (Log Pow) |
|--|-------------|--|
| Eclipse HD Degreaser | mixture | -0.61 (calculated) |
| Diethylene glycol monobutyl ether | 112-34-5 | 0.3 - 4.69 |
| Sodium carbonate | 497-19-8 | -6.19 |
| Alcohols, C9-C11, ethoxylated | 68439-46-3 | 3.3 - 4.8 |
| Disodium dioxido(oxo)silane pentahydrate | 10213-79-3 | < 3 n-octanol: insoluble |
| Potassium 4-isopropylbenzenesulphonate | 164524-02-1 | -1.1 |
| Sodium cumenesulfonate | 15763-76-5 | -1.1 |
| Sodium hydroxide | 1310-73-2 | -3.88 |
| 2-Ethanolamine 2- dodecylbenzenesulfonate | 26836-07-7 | 6.11 |
| 2-Aminoethanol | 141-43-5 | -2.31.31 |
| Acetic Acid | 64-19-7 | -0.17 |

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

12.5 RESULTS OF PBT AND vPvB ASSESSMENT:

| Falinga LID Dogrados | This mixture does not meet the PBT criteria of REACH regulation, Annex XIII. |
|----------------------|--|
| Eclipse HD Degreaser | This mixture does not meet vPvB criteria of REACH regulation, Annex XIII. |

12.6 ENDOCRINE DISRUPTING PROPERTIES:

This mixture does not contain substances included in the Isited established in accordance with REACH for having endocrine disrupting properties, or substances are not identified as having endocrine disrupting propoerties in accordance with EU 2017/2100 or EU 2018/605 at a concentration greater tha 0.1%

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 dangerous substances

SECTION 14: TRANSPORT INFORMATION

14.1 UN NUMBER: UN1760

14.2 UN PROPER SHIPPING NAME: Corrosive liquid, n.o.s. (disodium dioxido(oxo)silane pentahydride)

14.3 TRANSPORT HAZARD CLASSES: 8
14.4 PACKING GROUP: III
14.5 ENVIRONMENTAL HAZARDS: N/A

14.6 SPECIAL PRECAUTIONS:

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 B. 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.



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

Issued: 19 April 2024 Supersedes: 6 Mar 2024

ECLIPSE™ HD DEGREASER

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: 648/2004

Labeling of contents

| Component | % |
|--|------|
| anionic surfactants, non-ionic surfactants | < 5% |
| perfumes | |
| Linalool | |

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:

19 April 2024 - Revisions § 1, 3, 8, 9, 11, 12, 14 & 16

ABBREVIATIONS:

ADR European Agreement - Internation Carriage of Dangerous Goods by Road

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
IMDG International Maritime Dangerous Goods
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

RID Regulations - International Carriage of Dangerous Goods by Rail

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: | | |
|---|------|-----------------------|
| Skin Corr. 1 | H314 | On basis of test data |
| Eye Dam. 1 | H318 | On basis of test data |



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

Issued: 19 April 2024 Supersedes: 6 Mar 2024

ECLIPSE™ HD DEGREASER

FULL TEXT OF HAZARD STATEMENTS:

H226 Flammable liquid and vapour H290 Corrosive to metals. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

FULL TEXT OF PRECAUTIONARY STATEMENTS:

P264 Wash thoroughly after handling.

P363 Wash contaminated clothing before reuse.

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

Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and the work of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) or the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnish of such information.