

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
UFI: CTD1-W0D9-300U-1DRK

Product Number: 510

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 DISTRIBUTOR

Marpól ehf
Dalbrekka 15
200 Kópavogur
Iceland
Telephone: +354 5445588
Email: marpol@marpol.is
Internet: www.marpol.is

1.4 EMERGENCY TELEPHONE NUMBER

For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident. Call 112 EMERGENCY SERVICES Day or Night. 543-2222 POISON CENTRE (EITRUNARMÍÐSTÖÐ)

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

SAFETY DATA SHEET

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

Issued: 13 Dec. 2022

Supersedes: 20 Sept. 2016

ECLIPSE™ LOW ODOR STRIPPER**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 MIXTUREHazardous 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.

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.

SAFETY DATA SHEET

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

Issued: 13 Dec. 2022

Supersedes: 20 Sept. 2016

ECLIPSE™ LOW ODOR STRIPPER

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 should be worn when there is a potential of inadequate ventilation. If

Respiratory Protection: 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, red

SAFETY DATA SHEET

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

Issued: 13 Dec. 2022

Supersedes: 20 Sept. 2016

ECLIPSE™ LOW ODOR STRIPPER

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 expected 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).

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

SAFETY DATA SHEET

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

Issued: 13 Dec. 2022

Supersedes: 20 Sept. 2016

ECLIPSE™ LOW ODOR STRIPPER

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 EXPOSURE:	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 PERSISTENCE 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
- 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.

SAFETY DATA SHEET

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

Issued: 13 Dec. 2022

Supersedes: 20 Sept. 2016

ECLIPSE™ LOW ODOR STRIPPER

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
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

SAFETY DATA SHEET

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

Issued: 13 Dec. 2022

Supersedes: 20 Sept. 2016

ECLIPSE™ LOW ODOR STRIPPER

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

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.